



BETHLAHEM

INSTITUTE OF ENGINEERING KARUNGAL - 629157

APPROVED BY AICTE, NEW DELHI & AFFILIATED TO ANNA UNIVERSITY, CHENNAI

RESONANCE

2023

COLLEGE VISION

To become a Premier Institution and Centre of Professional Education with moral ethics in Engineering and Technology

COLLEGE MISSION

- ~ *Provide Quality Professional Education for all the deserving candidates belonging to all sectors of the society.*
- ~ *Adopt innovative strategies and add on courses and establish the state-of-the-art infrastructure for Effective Teaching Learning Process and research activities.*
- ~ *Attract and Nurture the excellent and committed faculty members along with Technical manpower.*
- ~ *Organize healthy interactions with the stakeholders for the Overall Personality Development of the students.*
- ~ *Encourage the Social Responsibility of the Institution.*



RESONANCE

2023



RESONANCE

2023

*“Coming together is a beginning
Working together is a success
Staying together is an achievement”*

“RESONANCE 2023” is the exposure of creative articles exposed by the hidden talents of the young and vibrant budding technocrats with the continuous encouragement and motivation of management and faculty members in various forums to create world class leaders and entrepreneurs who are empowered to serve the society.

The entire year witnessed an array of curricular, co-curricular and extra-curricular activities through which every student unearths his/her hidden self. This magazine is the mirror of the way that everyone in the Institution walked in this year and stands for the unique resonance that continues to echo within the premises of the Institute. It blends together the impressions and expressions, and has promoted the inborn talents, creative skills and achievements of students. The magazine “RESONANCE 2023” brings back memories of the year gone by and gives a deep sense of pride and accomplishment.



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MESSAGE FROM CHAIRMAN

“

Arise, shine, for your light has come,
And the glory of the LORD rises upon you.” - Isaiah 60:1

First and foremost, I wish to thank the God Almighty, for showering His most abundant grace and blessings on us throughout the efforts taken in bringing out various activities for the betterment of the society and providing us the strength to accomplish everything successfully.

“Creativity is seeing what everyone else has seen, and thinking what no one else has thought”

Its heartening to witness Bethlahem Institute of Engineering has come out with a literary and creative document of the innovations of our staff and students in the form of a wonderful magazine “RESONANCE 2023”. It unleashes an eclectic gamut and a panoramic view of the academic, cultural, sports and other achievements of our Institution.

No doubt, this endeavor harnesses a colourful recapitulation of the creative energies of the scholastic community and distils the essence of their incredible imagination in the most luminous way possible.

My message to the students is that, you should mould yourselves to be better human beings, while foraying in the competitive life, realizing your dreams. I would like to add that, every great dream begins with a dreamer, always remember, you have within you the strength, the patience and the passion to attain the vision you dreamt of: “To achieve something you have never achieved before, you must do something you have never done before.”

I also take this opportunity to congratulate the Editor-in-Chief of this magazine and the entire team for their laudable efforts put in, to bring out this wonderful Edition.

GERALD SELVARAJA

MESSAGE FROM DIRECTOR



Education brings wisdom and knowledge
Education trains the mind to think
Education imparts hope and peace
Education brings moral values

Moral discipline is born in Bethlahem. Morality and discipline are symbols of Bethlahem Institute of Engineering. This reputed academic center for technical education was founded by Shri.Gerald Selvaraja with a great vision of giving quality education to the young generation especially in and around Karungal, a naturally blessed village that is now known after Bethlahem Group of Institutions.

I congratulate and acknowledge my gratitude to the Founder cum Chairman of the Institute for his wonderful effort and generous accomplishments. I appreciate all the employees who have contributed their honest labor for the name and fame of the Institute so far. I appreciate the Principal, HoDs, teaching and non-teaching staff for their hard work in elevating the image of this Institute. I congratulate all the parents for choosing Bethlahem as their wards' academic destination, all pass-out engineers who have been well placed in reputed firms and the current batch of budding technocrats.

I record my sincere appreciation to the Magazine committee for their persistent determination in releasing the Magazine of the Institute "RESONANCE 2023".

Er:T ISAN



MESSAGE FROM PRINCIPAL

First of all I would like to thank our Lord Almighty for His abundant Grace and Blessings showered upon us throughout the entire activities planned for the benefit of the students.

It gives me immense pleasure to address you as the Principal of this prestigious institution. Education plays an important role in enabling a person to face a real life situation with adequate knowledge. Since 2008 the college has been striving towards

maintaining academic standards and excellence in the field of Engineering and Technology. We are committed to providing our students with a variety of opportunities in order to help them attain their highest potential.

We have a team of skilled, experienced and dedicated faculty members striving to provide the students with the latest knowledge and skills to help them stand in a fiercely competitive world. We offer the students practical exposure and empower the students with the knowledge to meet the requirements of the contemporary world. All the activities conducted in our institution focus on enhancing the skill set to build their confidence while providing experiential learning to the students. We maintain clarity in our working and possess an excellent infrastructure, well-equipped laboratories, libraries, training and placement cell, sports facilities, etc. It is believed that excellence is a continuous process and in pursuit of this the college has made contributions to develop efficient and responsible citizens.

This magazine gives an insight into the range and scope of the imagination and creativity of our students and faculty members. I extend my heartfelt congratulations to the Magazine-In-charge and the Editorial board for contributing their best in bringing out this Magazine. I wish my dear students success in all future endeavors.

Dr.C.EMMY PREMA

MESSAGE FROM ASSOCIATE EDITOR



“A thing of beauty is a joy forever”- John Keats

It is really a joy to bring out a beautiful artistic creation in the form of a Magazine entitled “RESONANCE 2023”. The articles in this volume mirror the creative talents of our students.

The pleasure and pain borne by our staff and students for this publication is appreciable and is a laudable achievement indeed. This excellent creation of the students is sweet to the heart and delicious to the mind. The management has been very active in organizing a lot of meaningful programs, promoting a healthy academic ethos on the campus.

I thank our bounteous and gracious Lord Whose grace has been with us throughout the progress of this innovative creation. I also extend my extreme gratitude to the generous Management, Directors, Principal, beloved Staff and Students for their matchless efforts in bringing out this Magazine.

This is yet another pearl on the crown of Bethlahem Institute of Engineering which promotes human values like Love, Peace and Harmony.

Prof.M.SARAVANAN

ASSOCIATE EDITOR



MESSAGE FROM ASSOCIATE EDITOR

“The price of success is hard work, dedication to the job at hand, and the determination that whether we win or lose, we have applied the best of ourselves to the task at hand”

With the boundless grace of the Lord Almighty and the wonderful platform provided by the management a grand endeavor has been turned to reality. The annual college magazine “RESONANCE

2023” endeavors to reflect the matchless spirits, dreams, untiring efforts and the value of our Institution.

Students are the most passionate budding creative expressionists who just need a platform to exhibit their ideas and emotions. This magazine is a milestone that marks our growth which showcases all those expressions of the students to the readers and recognizes all the achievers in the academic and extra-curricular activities. It unfolds our imaginations, and gives life to our thoughts and aspirations.

The bedrock of success in bringing out this magazine in an innovative way lies in the team effort of Bethlahem family. I extend my deep gratitude to our Chairman, Director and Principal for their constant overwhelming support and encouragement. I express my heartfelt gratitude to all the staff and students who have contributed their source of experience to make this endeavor a success. I appreciate the painstaking preparation of the entire editorial team led by the meticulous planning of Editor-in-Chief.

I wish all the readers a memorable reading experience.

Dr.S.A PRAYLIN SELVA BLESSY

Editorial Board

Editor-in-Chief



Dr.C.Emmy Prema

Principal

Associate Editors



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Asso.Prof/ECE

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Prof.R.Shyni Vinse

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III Year/CSE



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IV Year/ECE



M.R Ajay

IV Year/EEE



S.Akash

IV Year/IT



Jeyaram

IV Year/Mech



Bethlahem Institute of Engineering was established in the year 2008 by the Nesamony Memorial Trust. Shri.Gerald Selvaraja is the founder cum Managing Trustee of this Institution. The other five being: Bethlahem Matric and Higher Secondary School, Bethlahem College of Education which was accredited with 'A' Grade by NAAC, Bethlahem College of Arts and Science, Bethlahem Hillside International School and Bethlahem New CBSE School.

Bethlahem Institute of Engineering is an ISO 9001:2015 certified Institution affiliated to Anna University, Chennai and approved by AICTE, New Delhi. It is located at Karungal (near Marthandam) in Kanyakumari District, on the adjoining Karungal-Colachel road and 45 km from Trivandrum and 25 km from Nagercoil. This Institution is housed in a sprawling campus spread over 15 acres of picturesque landscape.

The Institution intends to provide focused technical education to empower budding engineers with technical and entrepreneurial skills so as to mould them to become globally competitive. The college is well known for its technical excellence, modern facilities and eco-friendly environment which is conducive to the all-round development of the students. The campus provides an ideal ambience for young minds to explore new ideas, stimulate creativity and independent thinking. It's adherence to high academic standards, strict internal evaluation, state-of-the-art infrastructure, technically qualified faculty and the exciting opportunities offered, make it a favoured destination for aspiring technocrats.

The Institution was started with 4 UG courses each headed by experienced faculty. Under the able guidance and adept administration, the college has developed excellent facilities and resources such as spacious classrooms, seminar halls, excellent sporting facilities and so on. Currently the college, offers 7 undergraduate (B.E. & B.Tech.) and 6 postgraduate (M.E.) courses of study.

BETHLAHEM INSTITUTE OF ENGINEERING

The Institution is also known for the English Language Lab for developing communication skills and improving British/ American accent, well stocked library with Internet, DELNET centre which provides online access to various journals, articles and periodicals in Science and Technology, 24x7 high speed internet and Wi-fi inside the campus, cultural and technical festivals to ensure overall development of students, gymnasium with extensive facilities for physical exercise, separate hostel facility for men and women and much more. The college has a well-furnished and hygienic canteen which provides timely nutritious food to the students, staff and visitors. A transport department functions in the college with a fleet of buses to provide transport facility to students and faculty, in and around Kanyakumari District and Trivandrum.

To enhance the practical knowledge, students undergo internship during the vacation in between the semesters. Each department periodically organizes Seminars, Symposia, Conferences and Workshops to expose the students to vast changes and advancement in Science and Technology. The Institution is a member of Professional Bodies through which the students and faculty members gain knowledge sharing.

The mission of this Institution is to provide value based technical education through intensive coaching coupled with academic partnership with premier Institutions like IIT and in Europe and USA through which the students would be able to upgrade their skills and competence to their fullest potential.

Bethlahem Institute of Engineering has a good track record for placement right from the beginning and has been able to keep the momentum in spite of the adverse employment climate. The Career Guidance and Placement Cell (CGPC) of the Institution provides world class training and employment opportunities in leading organizations.

The Research and Development Cell aims to nurture research in the Institution by encouraging the students and faculty to undertake the research in newly emerging frontier areas of Engineering and Technology including multidisciplinary fields. Entrepreneurship Development Program helps in developing the entrepreneurial abilities of students to run business successfully.

Bethlahem Institute of Engineering has produced industrialists, leaders, engineers and managers who collectively have a wealth of knowledge and experience. The Alumni Association brings all these outstanding people together on a single platform. This temple of learning provides ample opportunity to the technocrats to exhibit their latent talents. Students have proved their skills in different ways and brought laurels to the Institute.



ANNUAL REPORT 2022-2023

“The fear of the LORD is the beginning of wisdom” – Proverbs 9:10
“High achievement always takes place in the framework of high expectation”
- Charles Kettering

A very pleasant Good Morning to all. It is my pleasurable duty to welcome the well wishers, guests, members of management, staff members and students for the Annual Day celebration of Bethlahem Institute of Engineering. I also cordially welcome our Chief Guest Dr.A.Kaliyamurthy, Formerly Superintendent of Police, Tamilnadu Police Department who graciously accepted our invitation to be in our midst on this memorable day. In this auspicious occasion, I am delighted to present the Annual Report of Bethlahem Institute of Engineering for the academic year 2022-2023.

The college has seven UG programs and six PG programs approved by AICTE and is affiliated to Anna University, Chennai.

B.E - Computer Science and Engineering

B.E - Civil Engineering

B.E - Electrical and Electronics Engineering

B.E - Electronics and Communication Engineering

B.E - Mechanical Engineering

B.E - Automobile Engineering

B.Tech- Information Technology

M.E - Applied Electronics

M.E - Power Electronics and Drives

M.E - Structural Engineering

M.E - Computer Science and Engineering

M.E - Manufacturing Engineering

M.E - Communication Systems

Under the guidance and motivation of our beloved Chairman Shri. Gerald Selvaraja, Director Er.T.Isan and Heads of the Departments this academic year witnessed remarkable achievements of the staff and students of Bethlahem in curricular, co-curricular and extracurricular activities. Yes, it has been a joint effort of students, parents, staff and management, for in the words of William Blake, “No bird soars too high, if it soars with its own wings”

STUDENT ENROLLMENT

The Academic activities of the III and IV years began on 10th August, 2022 and II years on 22nd August, 2022. A one week Student Induction Programme was conducted in the month of November for the fresher's to help them feel comfortable in the Bethlahem environment. The regular classes for first year students commenced on 28th November 2022. The PG classes began on 19th October, 2022. I wish to place on record the sincere and dedicated services rendered by the teaching and non-teaching staff to uphold the high standards of education imparted in our Institution.

MEMORANDUM OF UNDERSTANDING

To strengthen the Industry-Institution interaction and collaboration, 6 Memorandum of Understandings have been signed. In the near future, we have planned to sign more MoUs to strengthen the Industry and Institute collaboration for the betterment of students and staff members.

PLACEMENT AND TRAINING CELL

The Placement and Training Cell provides training and employment opportunities. Career guidance programs have been conducted to create awareness about various career options. Placement Training Programs in collaboration with industry have been conducted for students to take the initiative to develop their soft skills and technical skills.

ICT ACADEMY

Our Institution is a privileged member institution by ICT Academy since August 2011. Our institution has the privilege to utilize the training programs provided by the ICT Academy in association with Oracle Academy, AWS Academy, CISCO Network Academy, AUTOMATION ANYWHERE, AUTODESK and Palo Alto. The training programs focus to improve quality of Teaching-Learning Process to meet the skill set requirements of the industry and employable in the Information and Communication Technology (ICT) sectors. Our Institution also has Academic alliance with UIPATH for collaboration on growing the Robotic Process Automation (RPA) knowledge ecosystem.

A virtual power seminar on "Industry Expectation from Students" was organized on 11th August, 2022 by ICT Academy for Final Year students with Mr.K.Kalaimani, Merchant Navy Officer/Career Consultant as Resource Person. Moreover, a three-day Design Now Workshop on 'Autodesk Fusion 360' has been conducted for IV Year Mechanical and Automobile Engineering students in collaboration with ICT Academy and Autodesk. On 29th September, 2022 and Mr.Althaf, Training and Development Team, ICT Academy trained the students and in the workshop held on 24th February, 2022 Mr.Kranthi, ICT Academy guided the students.

SKILL DEVELOPMENT PROGRAM

The Government of Tamilnadu launched its ambitious Skill Development Scheme, Naan Mudhalvan to equip youth to adapt to the global changing trends. Our Institution has been in the forefront in providing holistic education through industry linked curriculum and has been conducting various skill development programmes to all department students. As a part of this, Naan Muthalvan Hackathon 2023 awareness program was conducted for our students. Our Institution serves as nodal centre for Naan Mudhalvan Upskilling Platform.

ENTREPRENEURSHIP DEVELOPMENT CELL (EDC)

The Institution inculcates the entrepreneurial spirit to inspire the budding entrepreneur by organizing several training programs. One-day Entrepreneurship Promotional Activity sponsored by Entrepreneurship Development and Innovation Institute and University College of Engineering, Konam was conducted on 10th November, 2022 to promote Entrepreneurship awareness among the students. The Chief Guest of this event Mr.K.Dheebin, Founder and Managing Director, Kumari Shoppy shared his experience on entrepreneurship development.

DEPARTMENTAL ACTIVITIES

To enrich the technical and constructive knowledge of the student, Civil Engineering department invites trainers from CADD Centers, who provides lectures and examination related to software management like Rivet, AutoCAD in order to encourage students to attend national level competitions and to cope up with present scenario.

The Department of Civil Engineering organized a Guest Lecture on “Advanced Construction Techniques and High rise building design” for Final Year Students with Prof. Dr. Murugan, Assistant Professor, Civil Engineering, Government college of Engineering, Teni as the Resource person on 12th October, 2022.

The Department of Computer Science and Engineering organized

- A Technical talk on “Visualize the future” on 17th October 2022, Chief Guests – Mr.K.S.Sivabharath, Managing Director,Codehunters and Mr.Gamaliel Das, Chief Operating Officer,Codehunters.
- A three day Workshop on “Data Science Using Python” from 26/10/2022 to 28/10/2022 at Computer Main Laboratory conducted by VEI Technologies.
- A one day online workshop on network simulated tool on 3-9-2022, Chief Guests-Dr.B.Ezhilavan(Founder and CEO ,VEI Technologies Pvt Ltd)
- A one day online Workshop on “Python for AI” on 16-9-2022, Chief Guests-Mr.Jebamoney Mathias, Reena Jackson (CEO, Steps Software Solutions)
- A Technical talk on “Java Programming” on 19-9-2022, Mr.Stalin Samual, Gelbero IT Solutions Pvt Ltd as Chief Guest.
- A one day Seminar on “Python Framework on Django” on 7-11-2022,Chief Guest-Mr.Bibin (CAD Point)
- A Career Guidance on 14-2-2023 by Mr.Vinish, Product Head CAD Desk Marthandam.

The Department of Electrical and Electronics Engineering organized a Seminar on “Embedded Systems and its Applications” on 30/09/2022.

The Department of Electronics and Communication Engineering organized a National Level Technical Symposium Zestronics-2K22 on 16th November, 2022 with Ms.Nima Ravi, Assistant Professor, College of Engineering Trivandrum as Chief Guest.

The Department of Information Technology organized a Technical talk on “Visualize the future” on 17th October 2022, with Chief Guests Mr.K.S.Sivabharath, Managing Director, Codehunters and Mr.Gamaliel Das, Chief Operating Officer, Codehunters. The department has also organized a Three days' Workshop on “Data Science Using Python” from 26/10/2022 to 28/10/2022 at Computer Main Laboratory conducted by VEI Technologies.

A guest lecture on “Communication Competence” in English was organized by the Department of English on 13th December 2022. The resource person was Dr.L.Judith Sophia, Assistant Professor, Department of English, Scott Christian College, Nagercoil.

INDUSTRIAL VISIT AND TRAINING

The Institution arranged Industrial Visits, Inplant Training and Certified Software training programs to let the students know things practically through interaction, working methods and employment practices.

The Automobile Engineering students had attended inplant trainings and workshops conducted at TNSTC, KSRTC, etc. Students also expressed their talents and won prizes in project expos conducted by various colleges. Some notable expos were conducted by District science Centre, Tamilnadu Skills Development Corporation. Also the Final Year students had visited Kerala Automobiles for one day industrial visit.

The II Year Civil Engineering Department students had visited hydraulic structures at Ooty. III year students have attended 10 days survey camp in College Campus. Also 5 days Industrial visit was organized for Final Year Students at Coorg, Mysore and Bangalore under the guidance of our faculty members.

The Second year CSE students went for 2 days industrial visit and visited Timezone Entertainment Pvt Ltd Bangalore on 14th October, 2022. Third year CSE students went for 3 days industrial visit & they visited Capestart Software on 11th October, 2022.

All the (II, III,IV year) students of EEE Department were taken to an one day Industrial Visit to SCADA Centre TANGEDCO, Trinaveli and Kayathar Sub Station on 14th October,2022. Also a 4 day tour was organized for II, III, IV year EEE Department students from 25th to 28th February, 2023. and places like Coorg and Ooty were visited.

The II, III, IV year ECE Department students visited HAL Bangalore, Coorg and Mysore from 21.02.2023 – 25.02.2023. The Second year IT students went for 2 days industrial visit & they visited Capestart Software on 22/02/2023. Third year students went for 3 days industrial visit & they visited Capestart Software on 11/10/2022.

CELEBRATIONS

Celebrations make the academic journey more enjoyable and fun. With the laughter that sounds the air and the excitement and joy in everyone's face is what marks the day a memorable one.

GRADUATION DAY

The 9th Graduation Day was held on 18th November, 2022. The chief guest Dr. Sam Dayala Dev, ISRO Trivandrum awarded the degrees to the graduands.

ONAM CELEBRATION

Onam Celebration was held on 5th September, 2022 amidst great cheer with participation of students and staff.

CHRISTMAS DAY

Soaking in the spirit of Christmas, staffs and students celebrated the Christmas festival on 23rd December, 2022.

WOMENS DAY

The International Women's Day was celebrated on 8th March, 2022 to raise awareness about the status and dignity of women among the students with Dr. Inba Rose Selvin as Chief Guest, Retired Professor, Women's Christian College.

CULTURAL FEST

A 3 day Cultural fest was organized with 22 different on and off stage events to provide platform for the students to showcase their talent from 9th March, 2023 to 13th March, 2023.

ANNUAL SPORTS MEET "VIGOR 2K22"

Annual Sports Meet "VIGOR 2K22" has been celebrated in which the students participated with great fervour and manifested their athletic skills with an unimpeachable finesse.

SOCIAL SERVICE ACTIVITIES

NSS (National Service Scheme) unit of the Institution organized a special Eye camp rendered various social service activities. Free Medical Camp was also conducted in observance of World Kidney Day.

AWARENESS DRIVE

The Institution organized a voting awareness program in which Thiri.H.R.Koushik I.A.S., Sub Collector, Padmanabapuram, interacted with our students and delivered a talk on "Importance of Voting".

RESEARCH AND DEVELOPMENT (R&D) CELL

The Research and Development Cell aims to nurture research in the institution by encouraging the staff and students undertake the research in newly emerging frontier areas of Engineering and Technology including multidisciplinary fields.

IIT BOMBAY REMOTE CENTRE

Our Institution serves as a Remote Centre to IIT Bombay to enhance the technical skills of students as well as the teaching skills of faculty.

ALUMNI ASSOCIATION

Alumni Association is actively functioning in our Institution. The association succeeded in bringing the Alumni from inland and overseas under an umbrella. Periodical get together is also planned to make the relation stronger.

STAFF ACHIEVEMENTS

FACULTY DEVELOPMENT PROGRAM

Updating the knowledge of the faculty by exposing them to the latest developments in their respective fields is a continuing necessity of any technical education Institution.

Mr. Roger Libin M, AP/Automobile Engineering attended AICTE Training and Learning (ATAL) Academy online elementary FDP on:

"Research Trends in Design and Control of Electric Vehicles" from 17th January, 2022 to 21st January, 2022 at College of Engineering, Perumon.

"Electric Charging Station for Vehicles" from 21st February, 2022 to 25th February, 2022 at Government engineering College, Thrissur.

Mr. Monikandakumar.R, AP/Automobile Engineering participated and completed Online elementary

5 day FDP Topic is "Emerging Areas in Manufacturing" Vimal Jyothi Engineering College, Kannur, Kerala.

3 day FDP Topic is "Application of CAD/CAM & system engineering" Swarnadhra College of Engineering and Technology, Andhra Pradesh.

3 day FDP Topic is "Basics of Fire and Safety Engineering" Noorul Islam Engineering college, Kumarakovil.

Mr. S. Shijilin Prem Shirold, Mr. H. Hanio Merinkline, Mr. Moses C Thurai and Mr. M. Vinu attended a FDP Conducted by L&T private Ltd Company.

Mr. Moses C Thurai attended Five days FDP on "Sustainable Building Design" conducted by Anna University Tirunelveli.

G. Marly, AP /CSE had attended the FDP on 'Computer Vision and Natural Language Processing' Organized by Department of Information Technology, Easwari Engineering College from 8-08-2022 to 18-08-2022, and Workshop on 'APP Deployment on Amazon Elastic Kubernetes Service' in national level techno symposium during February 17, 2023

L.Febini Rani, AP /CSE had attended the FDP on 'Computer Vision and Natural Language Processing' Organized by Department of Information Technology, Easwari Engineering College from 8-08-2022 to 18-08-2022. She had also attended the FDP on 'Augmented Reality, Virtual Reality & Metaverse Development' Organized by Ingate Technologies Pvt.Ltd, Anna University held between 19th -30th September 2022

J.K.Henilin, AP /CSE had attended the FDP on 'Computer Vision and Natural Language Processing' Organized by Department of Information Technology, Easwari Engineering College from 8-08-2022 to 18-08-2022. She had also attended the FDP on 'Industrial Metaverse' Organized by Ingate Technologies Pvt.Ltd, JP College Of Engineering held between 13th -18th February 2023

W.V.Vinisha, AP /CSE had attended an online FDP on 'Data Analytics and Machine Learning' Organized by Department of Artificial Intelligence and Data Science, Ramco Institute of Technology, Rajapalayam from 13-02-2023 to 17-02-2023. She had also attended the FDP on 'Computer Vision and Natural Language Processing' Organized by Department of Information Technology, Easwari Engineering College from 8-08-2022 to 18-08-2022

J.Shime, AP /CSE had attended an online FDP on 'Data Analytics and Machine Learning' Organized by Department of Artificial Intelligence and Data Science, Ramco Institute of Technology, Rajapalayam from 13-02-2023 to 17-02-2023. She had also attended the FDP on 'Computer Vision and Natural Language Processing' Organized by Department of Information Technology, Easwari Engineering College from 8-08-2022 to 18-08-2022

M.Janani, AP /CSE had attended the FDP on 'Computer Vision and Natural Language Processing' Organized by Department of Information Technology, Easwari Engineering College from 8-08-2022 to 18-08-2022. She had also attended an online FDP on 'Data Analytics and Machine Learning' Organized by Department of Artificial Intelligence and Data Science, Ramco Institute of Technology, Rajapalayam from 13-02-2023 to 17-02-2023

M.Janani, AP /IT had attended the FDP on 'Cloud Computing Faculty Training Program' Organized by Veranda and Tamilnadu Skill Development Corporation, Government of Tamilnadu, KLM College of Engineering, Madurai held on 26-10-2022.

Dr.S.A.Praylin Selva Blessy has attended following Programs: FDP on 'Computer Vision and Natural Language Processing' Organized by Department of Information Technology, Easwari Engineering College from 8-08-2022 to 18-08-2022. Online FDP on 'Data Analytics and Machine Learning' Organized by Department of Artificial Intelligence and Data Science, Ramco Institute of Technology, Rajapalayam from 13-02-2023 to 17-02-2023. FDP on 'Big Data Analytics Faculty Training Program' Organized by Veranda and Tamilnadu Skill Development Corporation, Government of Tamilnadu, Francis Xavier college of Engineering held on 26-10-2022. Online FDP on 'Data Analytics and Machine Learning' Organized by Department of Artificial Intelligence and Data Science, Ramco Institute of Technology, Rajapalayam from 13-02-2023 to 17-02-2023. Online FDP on 'Deep Learning' Organized by Department of Information Technology of Army Institute of Technology from 9-01-2023 to 20-01-2023

Online FDP on 'Recent Advancements in Artificial Intelligence & IoT' Organized by R.M.K College of Engineering from 2-01-2023 to 6-01-2023. Online FDP on 'Blooms Taxonomy in Teaching and Learning' Organized by SanSnow's Nobel Professional Foundation' on 16-2-2023. NPTEL E-Awareness Workshop on 21-07-2022. Workshop on 'APP Deployment on Amazon Elastic Kubernetes Service' in national level techno symposium during February 17, 2023.

Ms. Christal Saji. K, Asso.Prof/ ECE has attended following Programs: Five days FDP on "Recent Trends in Electric Vehicle" from 25/07/2022 to 29/07/2022 organised by PSN College of Engineering and Technology. Online Non-Credit course on "Electric Power System" on 29/10/2022 authorized by The State University of New York. Online Non-Credit course on "Introduction and Programming with IoT Brands" dated on 07/11/2022 organised by Pohang University of Science and Technology. NPTEL Workshop on "Linear Algebra for CS and Machine Learning" from 19.11.2022 - 20.11.2022. Online Course on "Introduction to Battery management" on 09.12.2022 organised by The University of Colorado. Five days International Seminar on "Electric Vehicles" from 30.01.2023 - 03.02.2023. Naan Mudhalvan Training held in KLN College of Engineering Madurai, under the course "Smart Grid" and "Electric Vehicle" on 08.10.2022. Naan Mudhalvan Training held in KLN College of Engineering Madurai, under the course "Electric Vehicle Charging System Design", from 13.02.2023 - 17.02.2023

Ms. Herlin Rose A.P, Asso.Prof/EEE has attended Five days FDP on "Recent Trends in Electric Vehicle" from 25/07/2022 to 29/07/2022 organised by PSN College of Engineering and Technology. Five days International FDP on "Innovation in recent trends in Computing" from 28.11.2022 - 02.12.2022 Five days International Seminar on "Electric Vehicles" from 30.01.2023 - 03.02.2023

Mr. Sugad Singh B / AP has attended a one day FDP on "Blooms Taxonomy in Teaching and Learning" on 16/02/2023 organised by SanSnow's Nobel Profession Foundation. He has also attended five days FDP on "Digital Marketing Course" from 13/02/2023 - 17/02/2023 at SXCC through NAAN MUDHALVAN PROGRAM.

Mr. Ashok D / AP has completed his training in "Power IoT using ARDUINO/RASPBERRY PI" from 26.09.2022 - 30.09.2022 under the Naan Mudhalvan Training. She had also completed a training program in "Embeddd System design and debug" from 13.02.2023 - 17.02.2023 under the Naan Mudhalvan Training.

Ms. Jeksha . J / AP has attended a five days FDP on "Deep Learning" from 09.01.2023 - 20.01.2023 organised by Army Institute of Technology. She has also attended 5 days International Seminar on "Electric Vehicles" from 30.01.2023 - 03.02.2023.

Ms. Cinu S Robin / AP , has attended 5 days International Seminar on “Electric Vehicles” from 30.01.2023 – 03.02.2023 Dr.S.A.Praylin Selva Blessy has attended following Faculty Development Programs: 5 days online FDP on “Digital Signal Processing” organized by Amirtha College of Engineering and Technology, Erachulam sponsored by Anna University Chennai from 27-06-2022 to 02-07-2022. 5 days online FDP on “Transforming TLP through Modern Pedagogical Techniques” organized by Vidyalkar Polytechnic from 8-13 August, 2022 5 days Online FDP on “Machine Learning and Predictive Analysis using Python” organized by NTTTR Chandigarh from 11-15 July, 2022 5 days online FDP on “Application of Machine Learning and Deep Learning using MATLAB” organized by Vel Tech Multi Tech, Chennai 1-7 August, 2022 5 days online FDP on “Data science” organized by Pantech e Learning 20-09-2022 to 21-10-2022 NPTEL FDP on “Python for Data Science” IIT Kharagpur NPTEL FDP on “Accreditation and Outcome Based Learning” IIT Kharagpur

Ms. Sindhu K has attended following Faculty Development Programs: 6 days online FDP on “Future generation Communication and Networking” organized by Jerusalem College of Engineering from 02-01-2023 to 07-01-2023. 5 days Online FDP on “Machine Learning and Predictive Analysis using Python” organized by NTTTR Chandigarh from 11-15 July, 2022. Two weeks online FDP on “Deep Learning organized by Army Institute of Technology 09-01-2023 to 20-01-2023. 5 days online FDP on “Data science” organized by Pantech e Learning 20-09-2022 to 21-10-2022. One day FDP on “Blooms Taxonomy” conducted by SNBF on 16-02-2023. 5 days online workshop on “Artificial Intelligence “organized by NIT Mizoram from 25-07-2022 to 29-07-2022. One month course on “Essentials on Python” conducted by Livewire Marthandam-Sep 2022 Three days workshop on Emerging trends in Medical Technology and inventions in healthcare conducted by Mepco Schlenk Engineering college from 02-02-2023 to 04-02-2023.. Attended International Conference in Udhaya School of Engineering on the title”Early stage disease diagnosis using tongue image segmentation techniques”. 5 days online FDP on “Application of Machine Learning and Deep Learning using MATLAB” organized by Vel Tech Multi Tech, Chennai 1-7 August, 2022

Ms. J.Sophia Jone has attended following Faculty Development Programs: 6 days online FDP on “Future generation,Communication and Networking” organized by Jerusalem College of Engineering from 02-01-2023 to 07-01-2023. 5 days online FDP on “Research Analysis” organized by Marwadi University from 26-12-2022 to 30-12-2022. 5 days Online FDP on “Machine Learning and Predictive Analysis using Python” organized by NTTTR Chandigarh from 11-15 July, 2022. Two weeks online FDP on “Deep Learning organized by Army Institute of Technology 09-01-2023 to 20-01-2023. 5 days online FDP on “Data science” organized by Pantech e Learning 20-09-2022 to 21-10-2022 One day FDP on “Blooms Taxonomy” conducted by SNBF on 16-02-2023. 5 days online workshop on “Artificial Intelligence “organized by NIT Mizoram from 25-07-2022 to 29-07-2022 One month course on “Essentials on Python” conducted by Livewire Marthandam-Sep 2022 Three days workshop on Emerging trends in Medical Technology and inventions in healthcare conducted by Mepco Schlenk Engineering college from 02-02-2023 to 04-02-2023. 5 days online FDP on “Application of Machine Learning and Deep Learning using MATLAB” organized by Vel Tech Multi Tech, Chennai 1-7 August, 2022.

Ms. A. Mary Jeya Shiniha has attended following Faculty Development Programs: Two weeks online National Level Faculty Development Program on “Deep Learning” from 09th Jan 2023 to 20th Jan 2023 by Army Institute of Technology in association with IEEE and CSI Branch. 5 Days International Seminar on “ELECTRIC VEHICLES-EXPLORING INSIDE THE BOX” organized by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY from 30-01-2023 to 03-02-2023. One day FDP on “Blooms Taxonomy in Teaching and Learning” organized by SanSnow’s Nobel Professional Foundation on Feb 16,2023

R.P.Shyni Vinse,AP /IT had attended an online FDP on ‘Data Analytics and Machine Learning’ Organized by Department of Artificial Intelligence and Data Science , Ramco Institute of Technology ,Rajapalayam from 13-02-2023 to 17-02-2023. She had also attended the FDP on ‘Computer Vision and Natural Language Processing’ Organized by Department of Information Technology , Easwari Engineering College from 8-08-2022 to 18-08-2022

R.Jegana,AP /IT had attended the FDP on ‘Computer Vision and Natural Language Processing’ Organized by Department of Information Technology , Easwari Engineering College from 8-08-2022 to 18-08-2022. She had also attended the FDP on ‘Block Chain’ Organized by NSE Academy and Tamilnadu Skill Development Corporation ,Government of Tamilnadu ,St.Xavier’s Catholic college of Engineering from 13-02-2023 to 17-02-2023.

P.Abitha Rose,AP /IT had attended the FDP on ‘Computer Vision and Natural Language Processing’ Organized by Department of Information Technology , Easwari Engineering College from 8-08-2022 to 18-08-2022.

M.B.Anushlin Leena ,AP /IT had attended the FDP on ‘Computer Vision and Natural Language Processing’ Organized by Department of Information Technology , Easwari Engineering College from 8-08-2022 to 18-08-2022. She had also attended an online FDP on ‘Data Analytics and Machine Learning’ Organized by Department of Artificial Intelligence and Data Science , Ramco Institute of Technology ,Rajapalayam from 13-02-2023 to 17-02-2023

D.V.Viji Nirmala,AP /IT had attended an online FDP on ‘Data Analytics and Machine Learning’ Organized by Department of Artificial Intelligence and Data Science , Ramco Institute of Technology ,Rajapalayam from 13-02-2023 to 17-02-2023

S.Akhila Judit Nisha,AP /IT had attended an online FDP on ‘Data Analytics and Machine Learning’ Organized by Department of Artificial Intelligence and Data Science , Ramco Institute of Technology ,Rajapalayam from 13-02-2023 to 17-02-2023

Ajish A, Assistant Professor, participated and completed Topic is “Robotic Simulation for Manufacturing Process” “Francis Xavier Engineering College” Tirunelveli.

Japdew S, Assistant Professor, participated and completed Topic is “Industry 4.0” “Francis Xavier Engineering College” Tirunelveli.

Prejeesh A L, Assistant Professor, participated and completed Topic is “Machine Learning” “Infosys” Chennai.

Ajish A, Assistant Professor, participated and completed Topic is “Robotic Process Automation” “Thiagarajar College of Engineering” Madurai.

Jegan V, Assistant Professor, participated and completed Topic is “Smart and Advanced Manufacturing Process Simulation” “Government College of Engineering” Tirunelveli.

Arul Jerman C, Assistant Professor, participated and completed Topic is “Electric Vehicle Design” “St. Xavier's Catholic College of Engineering” Chunkankadai.

RESEARCH ACTIVITIES

It is a matter of great pride to record that a large number of our faculty members actively participated in various Research activities such as seminars, conferences, workshop, symposia and so on.

G.Marly,AP/CSE had presented a paper “Densenet Classifier Algorithm For Traveller Recommendation System” in virtual international Conference on Computer and Communication Technology ,Organized by Department of Computer Science & Engineering, Vidya Academy of Science and Technology Technical Campus ,Kilimanoor on 25 th January 2023.

L.Febin Rani,AP/CSE had presented a paper “Computer vision and Deep Learning on Image Classification:A Comprehensive Survey” in virtual international Conference on Computer and Communication Technology ,Organized by Department of Computer Science & Engineering, Vidya Academy of Science and Technology Technical Campus ,Kilimanoor on 25 th January 2023.

J.K.Henilin,AP/CSE had presented a paper “Densenet Classifier Algorithm For Traveller Recommendation System” in virtual international Conference on Computer and Communication Technology ,Organized by Department of Computer Science & Engineering, Vidya Academy of Science and Technology Technical Campus ,Kilimanoor on 25 th January 2023.

K.Anugirba,AP/CSE had presented a paper “Fifth edition of the social town talk series” in neem software held on 25-26 February 2023.

R.P.Shyni Vinse ,AP/IT had presented a paper “Satellite Based IOT Communications To Upgrade small vessel Tracking Systems” in virtual international Conference on Computer and Communication Technology ,Organized by Department of Computer Science & Engineering, Vidya Academy of Science and Technology Technical Campus ,Kilimanoor on 25 th January 2023.

Dr.R.S.Abina Shiny of Physics Department presented a paper in the International Conference "ICETIRN-2023" organised by the Department of Physics & research centre, AnnaiVelankanni College, Tholayavattam.

Dr.D.P.Abhilash of Chemistry Department participated in the International Conference on Interdisciplinary Research in Chemistry organised by the Department of Chemistry, Nesamony Memorial Christian College, Marthandam.

Prof.M.Saravanan presented a paper entitled "Traumatized childhood: A study of the sufferings of children in Dattani's 'Clearing the Rubbles'" at S.T. Hindu College, Nagercoil.

Mr.M.Vinu published a paper titled “ Base Isolation Multi Storey building”, Asian Journal of Civil Engineering.

Dr.C. Emmy Prema published a paper titled ‘A novel efficient video smoke detection algorithm using co-occurrence of local binary pattern variants’ in Fire Technology, Aug 2022.She also published a paper ‘ A Novel Automatic Image Intensity Analysis Using Machine Learning Algorithms and Characterization of Tensile Fracture Surface of AA8011-B4C Nano-composite’ in Transactions of the Indian Institute of Metals (Springer),2022. ‘Detection of COVID-19 from chest X-Ray image using local gradient patterns’ in GRADIVA REVIEW Journal, 2023.

Dr.S.A.Praylin Selva Blessy published a paper titled “Interstitial lung disease detection using template matching combined sparse coding and blended multi class support vector machine” in the Journal Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine,October 2022.

Mr.A.Joel Dickson published a paper titled ‘ An integrated 3D-sparse deep belief network with enriched seagull optimization algorithm for liver segmentation ’, Multimedia Systems, Feb 2023(Online).

Y. Thooyavan published a paper titled ‘Failure analysis of basalt bidirectional mat reinforced micro/Nano Sic particle filled vinyl ester polymer composites Engineering Failure Analysis (Q1)’ Journal of Engineering Failure Analysis

Dr.Abhilash published a Book titled ‘Engineering Chemistry’ and Dr.R.S.Abina Shiny published a Book titled ‘Engineering Physics’

Dr.C. Emmy Prema published a Book Chapter titled ‘A Novel Eco-Reliable Hybrid Composite Laminates For Sustainable Kattumaram And Vallam Structures’ in the Book MULTIDISCIPLINARYSUBJECTS FOR RESEARCH -XV (Volume-2), Redshine Publication,2022.

Dr.C.Emmy Prema is reviewer in the Journals Computer and Electrical Engineering - Elsevier and Fire Technology - Springer

Dr.S.A.Praylin Selva Blessy is reviewer in the Journal Signal Image and Video Processing-Springer

Dr.C.Emmy Prema and Dr.S.A.Praylin Selva Blessy are members of Doctoral Committe for Ph.D scholars.

It is praiseworthy to acknowledge that three of our staff members have successfully completed their Doctoral Programme (Ph.D).

1. Dr.A.Arul Edwin Raj - Electronics and Communication Engineering
2. Dr.Roshan Xavier X - Automobile Engineering
3. Dr.R.Jeen Retna Kumar - Electronics and Communication Engineering

The following faculty members are pursuing PhD:

- Mr.Siga Selvin, AP - Automobile Engineering
- Ms.K.Anugirba, AP - Computer Science and Engineering
- Ms.Christal Saji. K, AP - Electrical and Electronics Engineering
- Ms. Herlin Rose A.P - Electrical and Electronics Engineering
- Ms. Sindhu K, AP - Electronics and Communication Engineering
- Ms. J. Sophia Jone, AP - Electronics and Communication Engineering
- Mr.M.Saravanan, AP - English
- Ms.S.Austin Sweetey, AP - English

NPTEL COURSES

Dr. C. Emmy Prema completed NPTEL 8 module courses

Dr.S.A.Praylin Selva Blessy Prof/ECE appeared for the NPTEL online exam on "Python for Data Science" and "Accreditation and Outcome Based Learning" successfully completed the course with Elite grade.

Sindhu K, AP/ECE and Ms.J Sophia Jone, AP/ECE appeared for the NPTEL online exam on "Introduction to machine learning" and successfully completed the course with Elite grade.

STUDENTS ACHIEVEMENTS

Our students proved their mettle in various competitions and brought laurels to the Institute. They have participated in technical programs organized by other institutions and bagged prizes.

Students of Automobile Engineering participated Skill Development Programme in NI University, Kanyakumari dist. organized a five Day Programme on "Science & Technology Capacity Building for Industrial Needs". The students attended Inplant Training in TNSTC, Nagercoil. Students from CSE Department had completed a course on "Essentials on Web Designing" during October 2022, conducted by CADD Centre. Students from CSE Department had completed a course on "Essentials on Python" during September 2022, conducted by CADD Centre. Students from CSE Department had completed a course on "Essentials on Java" during September 2022, conducted by CADD Centre. 10 Students from final EEE attended a five days implant training in Sempanvilai Sub Station and Thuckalay Sub Station from 25/07/2022 to 29/07/2022. 6 Students from third EEE attended a five days implant training in Karungal Sub Station from 25/07/2022 to 29/07/2022. 6 students from Final year participated in Symposiums held in various colleges 15 students from Final Year ECE had completed a course on "Essentials on Python" during sep 2022 conducted by CADD Centre. All the students of 3rd year IT had completed a course on "Essentials on Web Designing" during October 2022, conducted by CADD Centre. Three Students from 4th IT had completed a course on "Essentials on Python" during September 2022, conducted by CADD Centre. All the students of 3rd year IT had completed a course on "Essentials on Web Designing" during October 2022, conducted by CADD Centre. Three Students from 4th IT had completed a course on "Essentials on Python" during September 2022, conducted by CADD Centre. The following Civil Engineering Department students participated in various events: C.A.Nithiya Joy of III Year won I and II Prize in Paper Presentation event held at NI University and Rohini College of Engineering respectively. D.Anto Vidson of III Year won I and II Prize in Paper Presentation event held at NI University and Stella Mary's College of Engineering respectively. Paul Ruban. M of III Year won II Prize in Paper Presentation event held at Stella Mary's College of Engineering. The following Computer Science and Engineering Department students participated in various events: Anu Priya R, won I Prize in PAPER PRESENTATION event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Anu Priya R, Participated in PAPER PRESENTATION event in "Zestronics 2K22" symposium held on November 16, 2022 at Bethlahem institute of Engineering. Sachu J.P has participated in the Workshop on 'Data Analytics for smart cities Application, in national level techno symposium during February 18, 2023 Jebisha J has participated in the Workshop on 'Data Analytics for smart cities Application, in national level techno symposium during February 18, 2023 Lalisha C.T has participated in the Workshop on 'Data Analytics for smart cities Application, in national level techno symposium during February 18, 2023 Shajin S has Participated in the "Artsy Lens" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Belgin Kisho has Participated in the "Artsy Lens" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Akash R.M has Participated in the "Artsy Lens" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Ajay C has Participated in the "Artsy Lens" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Vivek A has Participated in the "Hunky Brains" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Biju Patson T has Participated in the "Hunky Brains" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Gladys Shajeena R.S has Participated in the "Hunky Brains" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Jobin J.B has Participated in the "Hunky Brains" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Gladson J . Nithin has Participated in the "Hunky Brains" Event in TECHNOVA 2022 held on ,27-5-2022 at Amrita college of Engineering and Technology. Jefith Shalin, Participated in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Varistus Also, Won I Prize in KODE HUNT event in “Tech Unimate - 2K22” symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Jefith Shalin, Participated in “Tech Unimate - 2K22” symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Cyrus Abinash, Participated in PAPER PRESENTATIONevent in “Zestronics 2K22” symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Benith T , Participated in PAPER PRESENTATIONevent in “Zestronics 2K22” symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Safa M.A, Participated in PAPER PRESENTATIONevent in “Zestronics 2K22” symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Siva Ranjini S, Participated in PAPER PRESENTATIONevent in “Zestronics 2K22” symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Sree Lakshmi K P, Participated in PAPER PRESENTATIONevent in “Zestronics 2K22” symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Prajeetha M, Participated in PAPER PRESENTATIONevent in “Zestronics 2K22” symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Maria Jeeva L.G, Participated in PAPER PRESENTATIONevent in “Zestronics 2K22” symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Sree Lakshmi K P, Participated in PAPER PRESENTATIONevent in “Lanista -2K22” symposium held on November 4, 2022 at CSI Institute of Technology.

Swathi P.M, Participated in PAPER PRESENTATIONevent in “Lanista -2K22” symposium held on November 4, 2022 at CSI Institute of Technology.

Siva Ranjini S, Participated in PAPER PRESENTATIONevent in “Lanista -2K22” symposium held on November 4, 2022 at CSI Institute of Technology.

Prajeetha M, Participated in PAPER PRESENTATIONevent in “Lanista -2K22” symposium held on November 4, 2022 at CSI Institute of Technology.

Maria Jeeva L G, Participated in PAPER PRESENTATIONevent in “Lanista -2K22” symposium held on November 4, 2022 at CSI Institute of Technology

The following Electronics and Communication Engineering Department students participated in various events:

Abishek R J, Participated in TREASURE HUNT event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Aksha Sherin D, Participated in TREASURE HUNT and TECHNICAL QUIZ event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Anish.D, Participated in TREASURE HUNT event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Berin.V.S, Participated in TREASURE HUNT event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Delin B, Participated in TREASURE HUNT event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Jebarlin.D.L, Abishek R J, Participated in TREASURE HUNT event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Jelsika.D, Participated in TREASURE HUNT and TECHNICAL QUIZ event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Jothika.A, Participated in TREASURE HUNT and TECHNICAL QUIZ event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Kisholin.S, Participated in TREASURE HUNT and TECHNICAL QUIZ event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Sibin.T, Participated in TREASURE HUNT event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

Vidhya.G.U, Participated in TREASURE HUNT and TECHNICAL QUIZ event in “LIVIC’23” symposium held on ,17th February 2022 at Rohini College of Engineering & Technology.

The following Information and Technology Department students participated in various events:

Abina R J, Participated in KODE HUNT and TECHNICAL QUIZ event in “Tech Unimate - 2K22” symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Arathi Prasanthan A P, won I Prize in PAPER PRESENTATIONevent in “Lanista -2K22” symposium held on November 4, 2022 at CSI Institute of Technology.

Arathi Prasanthan A P, Participated in PAPER PRESENTATIONevent in “Zestronics 2K22” symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Arathi Prasanthan A P, Participated in KODE HUNT and TECHNICAL QUIZ event in “Tech Unimate - 2K22” symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Deepu D, Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Jenishia Hashlae J S , Participated in KODE HUNT and TECHNICAL QUIZ event in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Jenishia Haslae J S , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Jersha D , Participated in KODE HUNT and TECHNICAL QUIZ event in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Jersha D , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Nithin J G , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Sam Josphin Raj M , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Sree Ram R, Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Thirsha J H , Participated in KODE HUNT and TECHNICAL QUIZ event in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Thrishia J H , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Abina R J, Participated in KODE HUNT and TECHNICAL QUIZ event in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Arathi Prasanthan A P, won I Prize in PAPER PRESENTATIONevent in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Arathi Prasanthan A P, Participated in PAPER PRESENTATIONevent in "Zestronics 2K22" symposium held on November 16, 2022 at Bethlahem institute of Engineering.

Arathi Prasanthan A P, Participated in KODE HUNT and TECHNICAL QUIZ event in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Deepu D, Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Jenishia Hashlae J S , Participated in KODE HUNT and TECHNICAL QUIZ event in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Jenishia Haslae J S , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Jersha D , Participated in KODE HUNT and TECHNICAL QUIZ event in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Jersha D , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Nithin J G , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Sam Josphin Raj M , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Sree Ram R, Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

Thirsha J H , Participated in KODE HUNT and TECHNICAL QUIZ event in "Tech Unimate - 2K22" symposium held on ,October 28 2022 at Annai Vailankanni College of Engineering & Technology.

Thrishia J H , Participated in NON TECHNICAL event in "Lanista -2K22" symposium held on November 4, 2022 at CSI Institute of Technology.

J.Ashika and L.Arthika had attended the one day workshop on "ANTROID" held on 8/02/2023 at Code Bind Technologies, Coimbatore.

M.Aristotile of IT participated in the Anna University Zonal Level Tournament.

A NOTE OF GRATITUDE

“Gratitude is the fairest blossom which springs from the soil”.

First of all, I thank the Almighty for His choicest blessings on all our endeavors. He has guided us with the right path.

I acknowledge my indebtedness to our respected and beloved Chairman, Shri. Gerald Selvaraja whose constant support and positive vibes kept us forging ahead with confidence and hope.

I profusely thank our respected Director Er.T.Isan for his extreme care in monitoring all our endeavours and in the growth of the institution.

I thank Governing Body members, all the Heads of the Departments, Planning and Monitoring Board Members, Exam Cell Coordinator and team members, NBA Coordinator and team members, ISO Coordinator and team members, IQAC Coordinator and team members, Placement and Training Coordinator and team members, Admission Cell Coordinator and team members, Academic Advisory Committee Members, ICT Academy Coordinator and team members, Alumni Association Office bearers and members, Anti Ragging Committee members, EDC Coordinator and team members, NCC Officer and members, NSS Officer and Members, RRC members, Anti Ragging Squad members, Discipline And Welfare Committee members, Complaints Cum Redressal Committee Convener and team members, Library Committee Coordinator and team members, Women Empowerment Cell Convener and team members, Women Grievances Cell President and team members who have been with me in steering this Institution towards our vision and mission.

I accord my hearty thanks to all the Teaching, Non-Teaching, Administrative, Transport, Security and Housekeeping staff members for their sincere co-operation and hard work.

I thank respected parents and guardians, all our benefactors and well-wishers who have cooperated whole heartedly.

Finally, students are our real assets. I thank all the students of the College for your excellent disciplined behavior, cooperation, coordination and involvement towards academic and non-academic activities.

My heartfelt special thanks to all our UG and PG final year students, I wish you all success and happiness in all your endeavors.

I am extremely grateful to all who gave their generous support and cooperation.

Thank you all very much.

Dr.C.Emmy Prema

Department of **Automobile ENGINEERING**

The Department of Automobile Engineering was established in the academic year 2014-2015 with an annual intake of 60. The Department has a well-balanced mixture of senior and experienced faculty together with young and dynamic faculty. The programme facilitates a good learning environment with newly updated labs which provokes the students to pursue their degree in practical manner. The students have been placed in reputed companies and a few of them are undergoing higher studies. The unique mix of Automobile and mechanical related courses enabling the students to take up a professional career / higher studies in any of these areas. The Department organized educational excursion to visit various places to enrich the students and to take learning beyond the four walls of the classroom also conducted a Seminar on “Recent Trends and Technology in Automobiles”.

The students were trained in quantitative aptitude, verbal aptitude and reasoning aptitude, group discussion, hands on training on “Automotive Subsystems” as their career development. The students guided by the faculty for doing research projects. The students actively participate in various inter-collegiate cultural events held at National Level and also participate in sports events held at various colleges.

Mr. ROSHAN XAVIER X has awarded PhD on SEP 14, 2022 and many of his papers have been published in various reputed national and international journals with high impact factor. Prof. SIGA SELVIN S has registered for PhD program Prof. ROGER LIBIN M has participated and completed AICTE Training on “Research Trends in Design and Control of Electric Vehicles”, “Electric Charging Station for Vehicles” and “Alternative Fuels”, Prof MONIKANDAKUMAR R has participated and completed faculty development programs on Emerging Areas in Manufacturing and Application of CAD/CAM.



Prof.S.Siga Selvin
HOD/Automobile

Our students Ajil, Ragul, Jerin, Vinith Shalomon and John Malkiya participated and got certificate for the six day programme on Science and Technology capacity building for industrial needs with the support of Tamilnadu State Council for Science and Technology (TNSCST) organized by University College of Engineering Nagercoil. The department regularly organizes technical workshops and Conferences for the faculty members to expose them to emerging areas. The department has the state of the art facilities for various laboratories, classrooms to support e-learning and department library. Guest lectures and industrial visits are periodically arranged for the students and faculty members to supplement their curriculum.



Department of Civil ENGINEERING



The department of Civil Engineering was established in the year 2010 with a vision to be an ideal centre for providing quality technical education in civil engineering by upholding ethical standards and presently it offers UG program in Civil engineering and PG program in Structural Engineering.

The department broadly covers the fields such as surveying, geotechnical engineering, structural engineering, hydraulics & water resources engineering, construction materials & practice, environmental engineering and transportation engineering. The department has well equipped laboratory facilities and is young with vibrant, energetic and highly qualified faculty members, lab technicians having rich expert in teaching and industrial background constantly striving to do their best in teaching and research in the form to prepare the students for critical thinking and to take challenges in the field.

Our Faculty member Mr.M.Vinu published a paper in Asian Journal of Civil Engineering on the topic 'Base Isolation in Multi Storey building'. Our graduates are in various top most positions in different sectors like academia, research organisations, industries & Government offices. Students are encouraged to participate in co-curricular and extracurricular activities to acquire leadership qualities. Value added courses and tests are conducted on regular basis to ensure that students can conversant with recent development in the field of Civil engineering.

In Anna University Examinations our ME structural Engineering students Anila S R secured 4th Rank , Shajila R secured 18th rank and Suji K secured 19th rank. Our department is constantly working towards all round skill development of our students by organizing guest lectures, Seminars, Workshops, Conferences and Career service events facilitated by national and international experts. Our students NITHYA JOY CA and ANTO VIDSON won First prize in Paper Presentation Conducted by Noorul Islam Center for Higher Education and also won second prize in Rohini College of Engineering. I look forward for preparing my students to face the challenges, the technology and Engineering sector would offer in the future and succeed in offering technological solutions for the betterment of the society and our nation.

The Department with its multifaceted faculty continue to maintain and cultivate its strong link with the Building and Construction Industry and update their knowledge by attending FDP and progressing towards the future needs.



Prof. S .Shijilin Prem Shiold
HOD/Civil

Department of **COMPUTER SCIENCE & ENGINEERING**

The Department of Computer Science and Engineering was established in the year 2008 with the intake of 60 students in UG and in 2012 with the intake of 24 students. The department of Computer science and Engineering is empowered with its consistent team of faculty members. Department has well experienced faculties and vibrant young faculties dedicated for the betterment of students. Department has a total of 11 faculties with one Doctorate. The faculties are enriching their knowledge in current trends by attending FDPs, Conferences in their disciplines. Faculty of CSE are always dedicated and devoted towards the comprehensive development of their students by training them physically through enough sports & games; psychologically through technical competitions globally.



Core courses include Programming Languages, Computer Architecture, Object Oriented Analysis and Design, Networking Technologies, Database Management System, Cloud Computing and Artificial Intelligence. With the support of excellent laboratory facilities, the faculties are providing latest content and the context to the students in the laboratories. Department is maintaining good relationship with students with the effective Mentor-Mentee system.

The students have exhibited their talents in symposium organised by other colleges and won prizes also. Most of the passed out students have placed in IT companies and a few have opted for higher studies. Our students are placed in various top MNCs like Infosys, IBM, Tech Mahindra, CapGemini, Accenture, Mind Tree, Samsung R&D etc., for deserving & esteemed packages of more than 2.4Lakhs to 18Lakhs per Annum.

The department ensures that program mission is constantly met and learning outcomes are monitored through internal tests and assignments. Our Department frequently organizes Guest Lectures, Workshops and Technical Talks by eminent industry experts, academicians and renowned alumni. The Department empowers the student in all aspects like Co-Curricular activities, Extra Curricular activities and sports by conducting various events. Students are given training in various aspects like Communication, Aptitude, Technical and Programming to enhance their career opportunities. In

order to meet the current technical needs, students are provided with value added courses. Leadership and Professional qualities are nurtured by conducting various events such as Symposium, Seminars, technical events etc. Students of CSE department are motivated to be innovative in their thinking while being strong in the Computer Science Core Knowledge.

The Department comprises of 3 fully Air Conditioned Computer Centres with 240 systems, state of the art computing facilities with sufficient power supply backup. Department is committed to encourage students/researchers to carry out innovative research in the field of Computer Science & Engineering, keeping excellence in focus and deliver quality services to match the needs of the technical education system, industry and society.



Prof. Biron Gifty
HOD/CSE

The department of CSE as a whole aims at the development of Computer Science Professionals with ethical values & societal concern.

Department of **ELECTRICAL & ELECTRONICS ENGINEERING**



The Department of Electrical and Electronics Engineering of Bethlahem Institute of Engineering was established in the academic year 2008-09 with an annual intake of 60. The Department has 20% lateral entry students at II B.E level. The Department started ME (Power Electronics & Drives) course in the academic year 2012-13 with an intake of 24.

The Department has a well-balanced mixture of senior and experienced faculty together with young and dynamic faculty. This programme offers a unique mix of Electrical, Electronics and Computer related courses enabling the students to take up a professional career / higher studies in any of these areas. The students of this branch are placed in electrical & electronics related organization and software companies. Electrical and Electronics department has the unique advantage of being a combination of Electrical Engineering and Electronics Engineering and thus providing the students of this branch double benefit to study broader subjects which provide them double advantage of placements in reputed companies related to both the fields. The department has a number of well-equipped laboratories and provides excellent facilities for learning.

The Department has its association named BEATZ (Bethlahem Electrical Association for Techie Zealots). The Department organized educational excursion to visit various places to enrich the students and to take learning beyond the four walls of the classroom also conducted a Seminar on topic Embedded Systems and its Applications by Mr. Praveen Mathias, Design Administrator.

The students were trained in quantitative aptitude, verbal aptitude and reasoning aptitude, group discussion, hands on training on Electrical wiring and soft skills as their career development. The students guided by the faculty have proved their talents and skills in numerous ways and have brought laurels to the Institution. The students actively participate in various inter-collegiate cultural events held at National Level and also participate in sports events held at various colleges. The Department prepares students for protective careers, post graduate study and lifelong learning which are useful for the society and Nation.

The faculty members actively engage in research and constantly publish papers in International and National Journals. Faculty members of Electrical and Electronics Engineering have attended various faculty development programs, online courses, workshops, conferences and also published papers in journals. The department regularly organizes technical workshops and Conferences for the faculty members to expose them to emerging areas. The department has the state of the art facilities for various laboratories, classrooms to support e-learning and department library. Guest lectures and industrial visits are periodically arranged for the students and faculty members to supplement their curriculum. The department strives for all round excellence in students. Two of our faculty members have registered for PhD program.



Prof. Christal Saji.K
HOD/EEE

Department of **ELECTRONICS & COMMUNICATION ENGINEERING**

The department of Electronics and Communication Engineering was established in 2008 with an undergraduate program and in 2012 two postgraduate programs were added. The vision of the department is to emerge as a centre of technical learning in Electronics and Communication Engineering with high ethical standards. The mission of the department is to impart quality technical education with the required competency and mould the students to nurture technical skills with ethical values in the field of Electronics and Communication Engineering.

The department of Electronics and Communication Engineering is one of the most dynamic departments of Bethlahem Institute of Engineering. It provides comprehensive knowledge to design, develop and investigate the various Electronic equipment's and Communication Systems. The state-of-the-art laboratory facilities enable the students' with practical knowledge and paves way for research. The department stands on the strength of experienced and qualified faculty who are very dedicated to teaching and also involved in up-gradation of knowledge. There are totally 12 faculty members with 2 Doctorates and 3 of them pursuing Ph.D. There is a remarkable increase in the percentage of pass by the students in the Anna University examinations. The M.E. Applied Electronics student Jenisha.C.S secured First rank and awarded gold medal in the M.E. Degree Exam conducted by Anna University, Chennai. The students are not only academically sound and disciplined but also showcase their talents under non- technical, technical and cultural forums. The department has a placement record with students placed in many Core and IT companies.

The academic journey of the departmental activities started with the formation of the association EAST-Electronic Association of Stalwart Technocrafts. The symposium ZESTRONICS-2K22 was organized to share knowledge and innovative ideas of students from various institutions. Industrial visit was organized to provide situations for the students to learn and get familiar with the process of organizing a field trip and understand the environment around. The UG students had an industrial visit to Kudankulam Nuclear Power Plant.

The faculty members are eager to acquire more knowledge with a view to keep pace with the latest developments in their disciplines and make use of every opportunity to improve their skills. The faculty members have presented papers in conferences, published papers in various reputed journals, attended FDP to enrich their knowledge, delivered guest lecture, completed NPTEL course successfully and serve as reviewers in journals.

The department is now meeting the requirement of technological challenges and the technical man power requirement through its updated course curriculum, experienced faculty members, skilled supporting staff and with the help of sophisticated laboratories.



Dr.S.A Praylin Selva Blessy
HOD/ECE



Department of **INFORMATION TECHNOLOGY**



The Department of Information Technology was established in the year 2008 with an intake of 60 students. It has the vision of “Create technically proficient IT professionals in the field of Information Technology” through provide quality technical education by adopting a learner-centric approach in order to strengthen the technical skills among the students.

The Department offers one UG programme B.Tech in Information Technology since 2008.

The IT department has well qualified, experienced and dedicated faculty members for providing education with professional standards to students.

There are totally 6 faculty members and they are implementing innovative methods of teaching and learning process to help students develop their skills

through practice, experience and inspiration. The faculty members are encouraged to participate in Faculty Development Programmes, Conferences, Workshops and Publication of Papers in journals for increasing their knowledge in current trends.

The Department has well furnished laboratories with latest hardware and software and provide opportunities for the students to learn and practice as innovate.

The department is conducting various programs such as Guest Lectures, Workshops and Technical talks for the betterment of students. The students has participated in different technical and non-technical events at national levels and brought laurels to the department and also attended various online courses. The students are encouraged to participate in various games and sports events at state and national level competitions.

To improve our student’s performances and to solve their psychological related Problems for each academic year we have assigned one faculty to provide counselling regularly. Weaker students are continuously motivated by the faculty and given special classes for them to achieve good results.

In addition to the academic session, the students were trained for the better placements such as Communications, Aptitude, Technical and Programming. Most of our students have placed in reputed IT companies and few graduates have chosen to pursue higher education. The department is giving individual attention to all levels to make the students in to good IT professionals.

To improve the students’ performances and to solve their psychological related problems, one faculty is assigned to provide counseling regularly. Weaker students are continuously motivated by the faculty and arranged special classes for them to achieve good results.

The department of Information Technology has much more to record about the achievement of staff and students.



Prof. R Jegana
HOD/IT

Department of **MECHANICAL ENGINEERING**

The Department of Mechanical Engineering of Bethlahem Institute of Engineering was established in the academic year 2009-10 with an annual intake of 60. The Department has 20% lateral entry students at II B.E level. The Department started ME course in the academic year 2013-14 with an intake of 24.

The department has a well-equipped integrated workshop facility which caters the needs of various branches. The department is actively engaged in research in the areas of Composite Materials, Smart Materials, IC Engines, Alternate Fuels, Nano fuel additives, Friction Stir Welding, Friction surfacing, Lean Manufacturing, Reverse Engineering, 3D Printing, Critical heat flux, CFD and Tribology. The faculty members are actively engage in research and constantly publish papers in reputed International and National Journals, conferences and book chapters.

The Department has experienced faculty together with young and dynamic faculty. This programme offers a unique mix of Automobile related courses enabling the students to take up a professional career, higher studies in any of these areas. The students of this branch are placed in Manufacturing and Production related organization and design companies. Mechanical department has the unique advantage of being a combination of Automobile Engineering and thus providing the students of this branch double benefit to study broader subjects which provide them double advantage of placements in reputed companies related to both the fields.

Guest lectures and industrial visits are periodically arranged for the students to enrich their knowledge. The facilities are provided for doing online certification courses like NPTEL-SWAYAM, Fusion 360 and ICTACT. The department established Parametric Technology Corporation (PTC) for the tune of 5.0 Crores to offer training on Industry 5.0 (Modeling, Additive manufacturing, Reverse Engineering and Automation).The department also equipped with international standard research equipments like: Coordinate Measuring Machine (CMM), Digital Impact Testing Machine, 100 Tones capacity Universal Testing Machine (UTM) Tribometer, Stir Casting Machine, Electrically Controlled Hot and Cold EGR Diesel Engine with high speed data acquisition system and high end software like Autocad, Fusion 360, Ansys, Creo, CADEM and Solidworks.

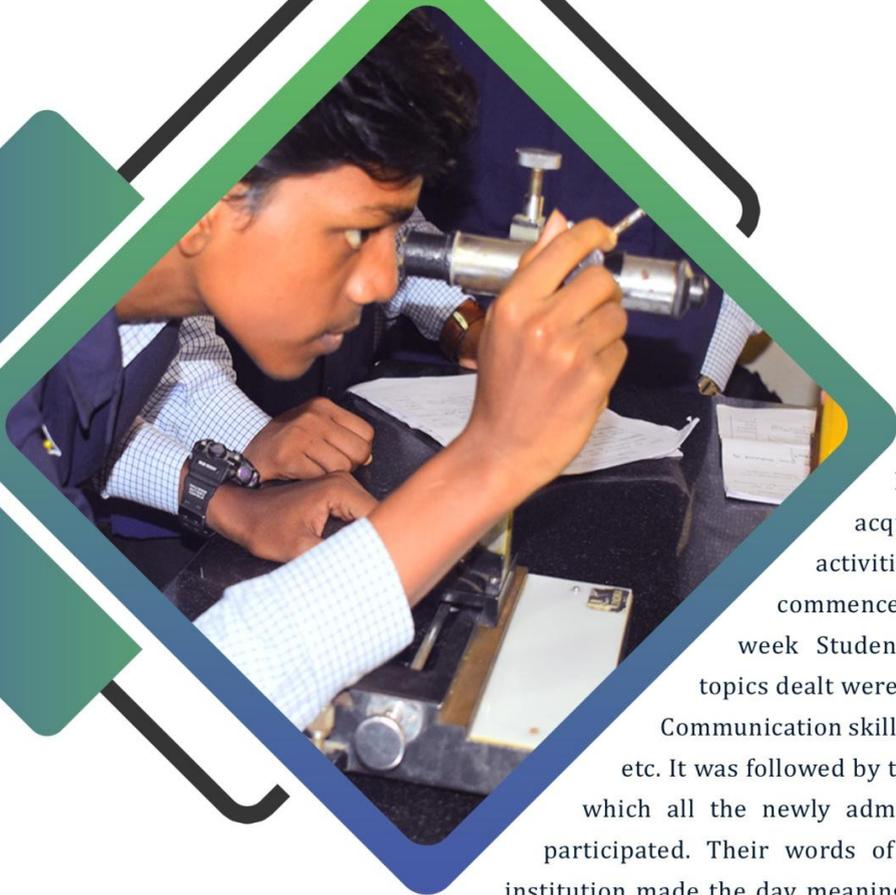
Four of our faculty members have registered for PhD program. The department regularly receives research grants from various funding agencies. To make the students competitive in the job market the department conducts non-formal courses (Value Added Courses) in the area that are not covered under the syllabus, especially on latest software with the assistance of expert agencies. The untiring efforts of the department level and college level training and placement team have resulted in a sizable number of students being placed in leading Multinational & National firms both in software and hardware area. Guidance to get job in Indian Administrative Services through UPSC, TNPSC, BHELL, SAIL, SSB, RRB etc. are also provided to students. An entrepreneur development cell is feeding knowledge to develop confidence to turn students into Employers (Entrepreneurs).



Prof.S.Siga Selvin
HOD/Mechanical



Department of **SCIENCE & HUMANITIES**



The Department of Science and Humanities intends to create a love for acquiring higher traits of learning. The activities for the academic year 2022-2023 commenced in the month of November with a one week Student Induction Program(SIP). The different topics dealt were Gender Equality, Personality development, Communication skills, Health awareness, Salient features of NEP, etc. It was followed by the Introductory meeting for the freshers in which all the newly admitted students and their parents joyfully participated. Their words of gratitude and appreciation towards the institution made the day meaningful. Thiri.H.R.Koushik I.A.S., Sub Collector, Padmanabapuram, interacted with our students and delivered a talk on

Importance of Voting. Our students participated in the drawing competition conducted by the police department of Kanyakumari district.

A guest lecture on Communication Competence in English was organized by the Department of English on 13th December 2022. The resource person was Dr.L.Judith Sophia, Assistant Professor, Department of English, Scott Christian College, Nagercoil.

The department gives special focus on sports events too. M.Aristotile of IT participated in the Anna University Zonal Level Tournament. Moreover the achievements of the staff in various fields are really praise worthy. Dr.R.S.Abina Shiny of Physics Department presented a paper in the International Conference "ICETIRN-2023" organised by the Department of Physics & research centre, Annai Velankanni College, Tholayavattam.

Dr.D.P.Abhilash of Chemistry Department participated in the International Conference on Interdisciplinary Research in Chemistry organised by the Department of Chemistry, Nesamony Memorial Christian College, Marthandam. Prof.M.Saravanan presented a paper entitled "Traumatized childhood: A study of the sufferings of children in Dattani's 'Clearing the Rubbles'" at S.T. Hindu College, Nagercoil. Prof.M.Saravanan and Prof.S.Austin Sweety of English Department are pursuing their Doctoral programs.

The department focuses on the all-round professional personality of the graduates by offering a perfect platform for curricular, co-curricular and extra-curricular activities.



Dr.Abilash D.P
HOD/S&H

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

Apart from academic curriculum a wide range of extra-curricular and co-curricular activities are held throughout the year under the guidance of our Chairman Shri.Gerald Selvaraja and leadership of Director Er.T.Isan, and Principal Dr.C.Emmy Prema to enable holistic development of students and help them become responsible members of society. Some major highlights of these activities are mentioned here.

12TH AUGUST, 2022



INDUSTRIAL VISIT(ECE)

As a part of curriculum the Department of Electronics and Communication Engineering organized an industrial visit to Kudankulam Nuclear Power Plant on 12th August, 2022 for the thirdyear and Final year UG students, accompanied by the department faculty in-charges Mr. M. Merlin, Mr.C.M.Edwin Thurai, Mrs.J.Sophia Jone, Mrs.K.Sindhu. Visitors (students and the accompanying staff) travelled to Kudankulam Nuclear Power Project arranged by the Student coordinators. This visit provided more information about the types of nuclear reactor and types of generator used for generating electricity.

WORKSHOP (CSE)

An one day workshop on “NETWORK SIMULATOR TOOLS” was organized by department of Computer Science and Engineering in IIT Bombay Remote Center on 3rd September, 2022. Ms.G.Marly (HOD/CSE department) welcomes the guest and introduced the programme to all. The presidential addressing was given by the Principal Dr.C.Emmy Prema. The technical talk was chaired by Dr.B.Ezhilavan, spoke briefly about Hackathon, and events like how to organize a team, planning and preparation, ideologies and presentation procedures.

03RD SEPTEMBER, 2022



5TH AUGUST, 2022



ONAM CELEBRATION

Onam is a time to show off the vast cultural heritage with much vigor. Onam Celebrations were held on 5th September, 2022 amidst great cheer with participation of students and staff of the college. An inter-departmental Athapookalam competition was hosted in the college premises which witnessed exciting response of participants. The Head of S&H Prof.M.Saravanan and Dr.D.P.Abhilash of Chemistry Department and team successfully organized this event.

WORKSHOP (CSE)

A one-day Online Workshop on “Python for AI” was organized by CSE department at the IIT Bombay Remote Center on 16th September, 2022 at Bethlahem Institute of Engineering, Karungal. Ms.G.Marly (HOD/CSE department) welcomes the guest and introduced the programme to all. The technical Speakers was chaired by Mr.Jebamony Mathias and Mrs. Reena Jackson. The Workshop was very interesting and gave the opportunity to discuss about Future technologies.

16TH SEPTEMBER, 2022



29TH SEPTEMBER, 2022



SEMINAR (AUTOMOBILE)

A one day seminar was organised by the department of Automobile Engineering on 29th September, 2022 from 9.00 am to 04.00 pm. Resource person Mr.Althaf, Trainer ICT academy has taken the seminar topic on “FUSION 360”Autodesk. He has delivered lectures in various software uses. Around 11 students and 3 faculty members participated in this programme. Students are able to design a new drawing in fusion 360 for their final semester project.

SEMINAR (MECHANICAL)

A one day seminar was organised by the department of Mechanical Engineering on 29th September, 2022 from 9.00 am to 04.00 pm. Resource person Mr.Althaf, Trainer ICT academy has taken the seminar topic on “FUSION 360”Autodesk. He has delivered lectures in various software uses and the importance of fusion 360 in industrial field and its uses. Around 35 students and 3 faculty members participated in this programme. The main purpose of this seminar is to create awareness and explain how to work in new version design software.

29TH SEPTEMBER, 2022



30TH SEPTEMBER, 2022



SEMINAR (EEE)

A one day seminar was organised by the department of Electrical and Electronics Engineering on 30th September, 2022 from 02.00 pm to 04.00 pm. Chief guest Mr. Praveen Mathias, Design Administrator of MATT, has taken the seminar topic on “Embedded Systems and its Applications”. He has delivered lectures in various organizations and around 35 students and 7 faculty members participated in this programme. The main purpose of this seminar is to create awareness and explain the great demand of embedded system across the various industries.

GUEST LECTURE (CIVIL)

A one day guest Lecture was organised by the department of Civil Engineering on 12th October, 2022. Chief guest Dr.M.Murugan, AP, Govt. College of Engineering, Tirunelveli has taken the topic on "Advanced Construction Techniques and High rise building Design". The main purpose of this Guest Lecture is to get a thorough Knowledge about Design and Analysis of High rise building using Manual Principles and Software Aid. Around 37 students and 7 faculty members participated in this programme.

12TH OCTOBER,2022



13TH OCTOBER,2022



INDUSTRIAL VISIT(CSE)

As a part of curriculum the Students of II year B.E.CSE planned to have a two days industrial visit to Time Zone Forum Mall, Bangalore. The Time Zone Forum Mall conducted very informative session for the students. Also they motivated to the students to select their domain and area of interest. They also guided the students to select the areas like web development, mobile application development & software testing etc. and its importance in the current software market.

INDUSTRIAL VISIT (EEE)

On 14th October, 2022 our team reached SCADA centre TANGEDCO, Thirunelveli. One of the Assistant Engineers explained all the essential components and the single line diagram of SCADA operation. In addition they explained about SCADA controlling 11 Sub Stations and various programming done in control room. Our main purpose for this visit is to be familiar with industrial environment and to get practical knowledge of electrical power transmission and distribution.

14TH OCTOBER,2022



17TH OCTOBER,2022



TECHNICAL TALK(CSE & IT)

A one-day technical talk on "Visualize the future" was organized by CSE department at the IIT Bombay Remote Center on 17th October, 2022 at Bethlahem Institute of Engineering, Karungal. The presidential addressing was given by the Principal Dr.C.Emmy Prema. The technical talk was chaired by Mr.K.S.Sivabharath (Managing Director, Codehunters) and Mr.Gamaliel Das (Chief Operating Officer, Codehunters).

WORKSHOP (CSE)

A three-day Online Workshop on “Data Science using Python” was organized by CSE department at the IIT Bombay Remote Center on 26th october, 2022 to 28th october, 2022 at Bethlahem Institute of Engineering, Karungal. Ms.G.Marly (HOD/CSE department) welcomes the guest and introduced the programme to all. The technical talk was chaired by Dr.B.Ezhilavan. The Workshop was very interesting and gave the opportunity to discuss about Future technologies.

26TH OCTOBER, 2022 -
28TH OCTOBER, 2022 -



07TH NOVEMBER, 2022



WORKSHOP(MECHANICAL)

An one day Workshop on “PROTOTYPE/PROCESS DESIGN & DEVELOPMENT” was organized by department of Mechanical Engineering in IIT Bombay Remote Center on 7th November, 2022 at Bethlahem Institute of Engineering, Karungal. Mr.Living Prephet (HOD/Mechanical department) welcomes the guest and introduced the programme to all. The Workshop was very interesting and gave the opportunity to discuss about Future technologies.

ENTREPRENEURSHIP DEVELOPMENT CELL

Entrepreneurship Advancement and Innovative Up graduation Company of Tamilnadu has organized an awareness camp on Entrepreneurship development program on our college for final year students. Mr.Dheebil Kumari, the shoppy founder expressed the initial challenges students were facing while working on entrepreneurship development and shared his experiences to overcome it. Mr.Rajesh Field Coordinator gave valuable information on projects and plans undertaken by government of Tamilnadu on developing entrepreneurship skills.

10TH NOVEMBER, 2022



16TH NOVEMBER, 2022



SYMPOSIUM(ECE)

The Department of Electronics and Communication Engineering organized a National Level Technical Symposium ZESTRONICS 2K22 on 16th November, 2022. The Chief Guest Ms.Nima Ravi, who is presently working as Assistant Professor in College of Engineering,Trivandrum explored ideas about Machine Learning. The Head of Department Dr.Jeen Retna Kumar along with the Program Coordinator Dr.S.A praylin Selva Blessy, Prof. A. Joel Dickson and staff members successfully organized this event.

GRADUATION DAY

The 9th Graduation Day was conducted on 18th November, 2023. The Graduation Day celebrations started with the academic procession in which the dignitaries, the Chief Guest, Director, Principal and Heads of various Departments were ushered to the venue of the function. The Chief Guest Dr.D. Sam Dayala Dev, Director of Inertial Systems Unit (IISU), ISRO, Trivandrum shared words of encouragement with the graduands and distributed degrees.

18TH NOVEMBER,2022



24TH NOVEMBER,2022



INTRODUCTORY MEETING(S&H)

Introductory Meeting for the First year students was organized on 24th November, 2022. The day began on a very auspicious note with the invocation of God's blessing by Sis.. Followed by the Welcome Address of Principal, the Director conveyed Presidential Address. The Principal briefed the academic activities of the institution and motivated the students. The event was well organized by the Head of Science and Humanities Prof.M.Saravanan along with the staff members.

NEW VOTER'S AWARENESS PROGRAM

The chief guest Mr. H. R. Koushik, IAS (Assistant Collector, Padmanabapuram sub-division, K.K.Dist) of the programme enlightened the importance of democracy and the need for voting. It is vital that citizens make use of the power and right to vote to choose a leader who will represent them and their ideas and contribute their part in shaping the government. Volunteers enthusiastically spread awareness about the importance of the right to vote using Voter ID cards to eligible people in their locality.

25TH NOVEMBER,2022



6TH DECEMBER,2022



NSS(EYE CAMP)

The NSS club of BioE organized a free eye checkup camp on 6th december 2022, Tuesday from 10.00a.m to 04.00p.m. A team of Eye specialists from BEJAN SINGH Eye hospital, Marthandam came to do eye checkup. The Director Er.T.Isan Started the eye checkup camp in presence of Principal Dr.C.Emmy Prema. The camp was advantageous for the students as they got an opportunity to know more about various aspects of eye care. The doctors brought well-equipped eye examination tools to examine the students effectively.

GUEST LECTURE (S & H)

A one-day guest lecture on Communication Competence in English was organised by the Department of Science and Humanities on 13th December, 2022 at Bethlahem Institute of Engineering. Mr.M.Saravanan(HOD/English) welcomed the guests and introduced the programme to all. The technical talk was chaired by Dr.L Judith Sophia, Assistant Professor, Department of English, Scott Christian College Nagercoil.

13TH DECEMBER, 2022



23RD DECEMBER, 2022



CHRISTMAS DAY CELEBRATION

Soaking in the spirit of Christmas staffs and students celebrated the Christmas festival with enthusiasm on 23rd December, 2023. The program began with the thanks giving and prayer to Lord Almighty. The celebrations included a variety performance of the students. The Program Coordinators Dr. Abilash D.P of Chemistry Department and Prof.S.Austin Sweety of English Department along with a team of staff members successfully organized the event.

WORKSHOP

An Online workshop was conducted for the mechanical students to improve their skills in the software field in the designing of various things. The Workshop was very useful for the students and it made them want for it. The students from mechanical actively participated in the program and made it a very useful one for their career. The mechanical HoD Mr. Living Prephet Organized the event very effectively. They encourage the students to learn more in software.

8TH FEBRUARY, 2023



20TH FEBRUARY, 2023



CAREER GUIDANCE PROGRAM

To motivate the students for developing their career the placement cell conducted a career guidance program for all departments. The Program was organized by CADD Center Marthandam in association with CAD DESK. Mr. Vinish, Product Head, CAD desk Marthandam addressed the students and gave more ideas to develop their career in their area. Students gained more knowledge in the Program and cleared their doubts.

POSH AWARENESS

"POSH awareness program" conducted by Prevention of Sexual Harrassment (POSH) cell for the staff members in placement cell seminar hall on 24th February 2023 at 10:00 am. Ms. Abitha Rosr P Cordinator of POSH cell gave the importance of women in the society and brief about the imporatnce of POSH cell in womens growth. The Head of Departments participated the meeting along with the principle. In the meeting they discussed about the future events to be conducted.

24TH FEBRUARY,2023



24TH FEBRUARY,2023



WORKSHOP

A-one day workshop for the Mechanical and Automobile students was organized on 24th February, 2023. The day began on a very auspicious note with the invocation of God's blessing by Sis.. Followed by the Welcome Address of Principal, the Director conveyed Presidential Address. The Principal briefed the academic activities of the institution and motivated the students. The event was well organized by the Head of Science and Humanities Prof.M.Saravanan along with the staff members.

NSS MEDICAL CAMP

In the blaze of World Kidney Day 2023, Bethlehem Group of Institutes planned and organized Medical Camp in observance of World Kidney Day 2023 along with Save kidney foundation - KIMS Hospital, Thiruvananthapuram in association with Lister Hospitals, Marthandam and Nagercoil. The programme was conducted based on the theme of "Kidney Health for all, preparing for the unexpected, supporting the vulnerable".

4TH MARCH,2023



8TH MARCH,2023



WOMENS DAY CELEBRATION

International Women's Day was celebrated in the college campus on 8th March,2023 to enhance the self-esteem and self-confidence of women students and staff. The Chief Guest of the day Dr.Inba Rose Selvin advised women to empower themselves and also lauded the modern women as they are prospering equally well along with men in all fields. The women students presented dynamic performances emphasizing the importance of gender equality for a healthy society.

EDUCATIONAL TOUR (AUTOMOBILE)

As a part of curriculum and request from the Class Review Committee the Students of II,IV year B.E AUTO planned to had a three days industrial visit & educational tour on 17th October, 2022 to 20th October, 2022 accompanied by the department faculty in-charges Mr. S.Siga Selvin. Visitors (students and the accompanying staff) travelled to Steel Industrials Kerala LTD and nearby places by transportation arranged by the Student co-coordinators. They visited the place Vagamon, Alapuzha and Wonderla.

17TH OCTOBER, 2022



14TH OCTOBER, 2022



EDUCATIONAL TOUR (CSE)

Industrial visits are an integral part of Engineering and acknowledgment of technological up-gradation. The purpose of industrial visit for students is to provide technical knowledge with the technological development in the industry and to understand the gap between the theoretical and practical knowledge that could be passed in future. This experience can help students to provided information regarding functioning of various industries and associated problems and limitations.

EDUCATIONAL TOUR (MECHANICAL)

Industrial visits are an integral part of Engineering and acknowledgment of technological up-gradation. The purpose of industrial visit for students is to provide technical knowledge with the technological development in the industry and to understand the gap between the theoretical and practical knowledge that could be passed in future. This experience can help students to provided information regarding functioning of various industries and associated problems and limitations.

13TH OCTOBER, 2022



22TH FEBRUARY, 2023



EDUCATIONAL TOUR (CIVIL)

The Department of Civil Engineering has successfully conducted an Industrial Visit to Ooty - Mysore - Coorg - Bangalore from 22nd February 2023 to 25th February, 2023. Totally 34 Students and 4 Staff members accompanied with the Students, Mr.Hanio Merikline, Mr.Moses.C.Thurai, Mrs.P.Sharmini and Mrs.Eso Kumary Paul. The Industrial Visit was a great success with good experience and good enjoyment for all the students.

EDUCATIONAL TOUR (EEE)

The department of Electrical and Electronics Engineering organized an educational trip to various places to provide the students with an opportunity to learn practically through interaction, working methods and employment practices. theoretical knowledge being taught at their college classroom. Through industrial visit students get awareness about new technologies. Our UG (II,III,IV) and PG students with 3 faculty members had a trip to Ooty and Coorg from 25/2/2022 to 28/2/22.

24TH FEBRUARY, 2023



23RD FEBRUARY, 2023



EDUCATIONAL TOUR (IT)

The second year IT students had an educational trip to Munnar and Vagamon from 23rd to 25th February, 2023 to get relieved from their mental stress. Students experienced the life style and technological developments in these areas. The importance of each and every place makes them feel more proud to be there and make them more enjoyable. The students along with the staff members attended the tour and get a good beneficial trip.

EDUCATIONAL TOUR (ECE)

An educational tour to Coorg, Mysore and Bangalore was organized by the Electronics and Communication Engineering Department from 21st to 26th February, 2023 for UG second year, third year and Final year students. The students gained more knowledge about the traditions and technologies. Around 45 students along with four staff members attended the educational tour.

21ST FEBRUARY, 2023



24TH FEBRUARY, 2023



INDUSTRIAL VISIT (ECE)

An industrial visit to Visvesvaraya Science Museum Bangalore was organized on 24th February, 2023 for II, III and IV year students of ECE Department. This visit was very informative and innovative. Students learned a lot of information about inventions and discoveries, it was a good experience and enabled the students to understand various inventions. The museum displays industrial products, scientific models and engines.

EDUCATIONAL TOUR (AUTOMOBILE)

The department of automobile engineering organized an educational trip to various places to enrich the students and take learning beyond the four walls of the classroom. The second, third and final year students had an educational trip to vagamon, Alappuzha and wonderla from 17th to 20th of October 2022. The enjoyment of students life is important.. the beauty of nature helps refreshing the memories and relax to there level of need

17TH OCTOBER, 2022



09TH MARCH, 2023



CULTURAL FEST

A three day Cultural fest was organized on 9th, 10th and 11th of March, 2023 with the objective to provide platform for the students to showcase their talents. Students actively participated in all the events and exhibited their skills. The three day event moving from one to other showed the inherent talents of the students. The cultural team along with Convener Prof.M.Saravanan, Co-Convener Prof.S.K.Sindhu and Prof.D.Ginu successfully organized the event.



Congratulations

We, the Management of Bethlahem Institute of Engineering congratulate on your great victory as runner up in the Anna University Zonal Level Table Tennis held on 02.11.2022. You have made all of us so proud with this astonishing success today.

**TABLE TENNIS - ZONAL LEVEL
SECOND PRIZE**



PLACEMENT 2023

NCR



Vivek A
IV CSE



V.Siva
IV CSE



L.C Ebsiba
IV CSE



Annlin Prathisha
IV CSE



R.S Ashmi
IV CSE



Femi
IV CSE



Iswariya
IV CSE



Sofiya
IV CSE



Subisha
IV CSE



Roshini
IV CSE



Sheenu
IV CSE



Abishika
IV CSE



Adlin Jacinth
IV CSE



Sharmini S
IV CSE



Jemila
IV IT



Prathesha
IV IT



Nibin
IV IT



Jenish
IV IT



Abinaya
IV IT



Akash
IV IT



Shabitha
IV EEE



Vibisha
IV ECE



Akshay V Nair
IV AUTO



Shiju
IV AUTO



Sajin
IV AUTO



Tamil Arasu
IV AUTO



Sabareesh
IV AUTO



Sam Jasaan
IV AUTO



J. Jeslin
IV AUTO



M.Bevin
IV AUTO



D. Dijumon
IV AUTO



S.Don Becksilin
IV AUTO



Kins
IV AUTO



D. Ashika
IV ECE



Jebin Raj
IV ECE



Arnish Raj
IV MECH



Abishek
IV MECH



Almon
IV MECH



Deobin
IV MECH



Chijo Alphonse
IV MECH



Vijo
IV MECH



Ajin
IV MECH



Aasik J
IV MECH

Building
TOMORROW'S FUTURE
Today

BSA



John Anis Mon
IV EEE



Abhiram
IV ECE



Sujith
IV ECE



Akhil
IV ECE



Jebin Raj
IV ECE



Christon joi
IV MECH



Jeyaram
IV MECH



Jerbin
IV MECH



Berlin surya
IV MECH



Jeffrin
IV EEE



Ferozkhan
IV MECH



Pratheesh
IV MECH



Ajin G
IV MECH



Blessing shalom
IV EEE



Subin
IV MECH



Abi Shake
IV EEE



Domanic Franklin
IV EEE



Navinash
IV ECE



Nithin fernando
IV MECH



Evans
IV MECH



Sutheesh
IV MECH



Selin Jeri
IV MECH



Aswin Alex
IV MECH



Babin Niya
IV ECE



K.Monisha
IV ECE



Praylin Jaga
IV ECE



Jerisha
IV ECE



Deepika
IV ECE



Derlin Jeniba
IV ECE



Krishnaveni
IV ECE



G.Abisha
IV ECE



Angelin Ruth
IV ECE



Abimitha
IV ECE



Monisha.M
IV ECE



Sajin.C
IV EEE



Japser Lal
IV ECE

CADD



Ajay M.R
IV EEE



Adwin Jino
IV EEE



Abi Shake
IV EEE



Asolin Sam
IV ECE



Vijin R
IV ECE

CATTLEYA

PLACEMENT 2023

CRUD



Akash
IV IT



Shiny Mol
IV IT



Nishanth
IV ECE



Jeffth
IV CSE



Shebin
IV IT



Ranjini
IV IT



Beena
IV IT



Ashor Rithik
IV IT



Navinash
IV ECE



Abin Raj
IV ECE



Abisha
IV IT

CONGRATULATIONS



We are proud to announce that our students are the **Third Runner Up in the District Level Startup TN Tirunelveli Hub**, which was jointly held by the District Administration and Tamilnadu Skill Development Corporation.

Academic Toppers..

B.E : AUTOMOBILE (IV YEAR)



AKSHAY V NAIR
FIRST

B.E : CIVIL (IV YEAR)



MINILA
FIRST



RENISHA
SECOND



JOBIN JALASTIN
THIRD

B.E : CIVIL (III YEAR)



NITHYA JOY C A
FIRST



ANTO VIDSON D
SECOND



AGNALIN SHERIN A
FIRST



THRIDHIL KRISHNA M D
SECOND

B.E : CIVIL (II YEAR)

M.E STRUCTURAL ENGINEERING(II YEAR)



ASHBIN JINI V
FIRST



HIMA S
SECOND

B.E : CSE (IV YEAR)



E. SUBISHA
FIRST



R.S. ASHMI
SECOND



J. ANNLIN PRATHISHA
THIRD

B.E : CSE (III YEAR)



ANUPRIYA
FIRST



SHERLY.S
SECOND



KESIYA R.G
THIRD



RATHISHA C.R
THIRD

B.E : CSE (II YEAR)



AYARIN JUSME J V
FIRST



ATHIRA S
SECOND



BERSHIYA M
THIRD



CYRUS ABINESH S
THIRD

M.E COMPUTER SCIENCE (II YEAR)



DHIVYA V R
FIRST



NIGISHA
SECOND



GERSHOM KING ROSE
SECOND



ABISHA R
THIRD

B.E : ECE (IV YEAR)



BABIN NIVYA P
FIRST



K MONISHA
SECOND



DEEPIKA R G
THIRD

B.E : ECE (III YEAR)



AKSHA SHERIN D
FIRST



JELSIKA D
SECOND

BE : ECE(II YEAR)



DINEESH S
FIRST



ASHNI B
SECOND



ANJALI SURENDRAN
THIRD



LINO BLESSING C
FIRST

M.E APPLIED ELECTRONICS(II YEAR)

ME : COMMUNICATION SYSTEM (II YEAR)



FLOWVY N
FIRST



JASLIN SINDHYA D
SECOND



JENISHA J
THIRD

B.TECH IT (IV YEAR)



BEENA JOHNCY.A
FIRST



SHEBIN PRABHA
SECOND



SHINI MOL.N
THIRD



ARATHI PRASANTHAN A P
FIRST



THIRSHA J H
SECOND

B.TECH IT (III YEAR)

B.TECH IT (II YEAR)



P.S.ASKHIN
FIRST



P.SIDHARTH
SECOND

B.E : EEE (IV YEAR)



AJAY M R
FIRST



SHABITHA C V
SECOND



ASHLIN A
THIRD

B.E : EEE (III YEAR)



BEAUTLIN JEJA J
FIRST

M.E POWER ELECTRONICS AND DRIVES(II YEAR)



JENISHA J
FIRST



ANLIN JAFY S.E
SECOND



ASHI VIMAL J
THIRD

B.E : MECH (IV YEAR)



VIJO V
FIRST



SUBIN M
SECOND

B.E : MECH (III YEAR)



MAASLIN MANO I
FIRST

B.E : MECH (II YEAR)



GERSHOM THOMAS J
FIRST

M.E MANUFACTURING ENGINEERING (II YEAR)



AKSHAY KUMAR K C
FIRST



SARATH GOKUL R S
SECOND



NIKHIL N B
THIRD

Articles..

A LOVE THAT NEVER DIES



Shini Mol N
IT/ IV Year

There was that crowded place
She crawled around looking for her favourite face
Suddenly she smiled and took a pause
There her mother was.
From alphabets to numbers
And shapes to colours
Her mother taught her all those days
Standing by her in every phase.
School was over and it was time to move on
Away from her mother she was now gone
Her mother had taught her to be strong
But how could she live without her for so long.
There were these days when life got a little messed
Moments when she needed some rest
A call from her mother seemed to make everything dear
'Life is hard but there is no need to fear'.
And hence two decades went by
And now she was some twenty
Happy she was still when told by others
That her face resembles her mother's.
All of a sudden there was a sigh
When she realised that in another city miles away
Her mother was too growing old
And she couldn't even put the time on a hold.



Never LIE



Shabitha
IV / EEE

Adam had learned from his friends that lying is the easiest way out of any situation. So he became fond of lying and enjoyed telling small lies. When his parents caught him and warned him against telling lies, he shrugged them off, saying, "Lies never harm anyone!" Adam's father decided to explain to him why lying is bad.

One evening, Adam and his father were walking down the street with some groceries. Just then, they saw a car rammed into a bookstore. Adam's father asked a man what happened and he replied, "The car driver lied to his father that he could see without spectacles. They both were in the car when the accident happened. The father is seriously hurt. I'm sure the boy regrets ever lying!" Adam's father looked at Adam and said, "see Adam, a lie is so dangerous! It can hurt people!" Adam realized the huge cost of a lie and stopped lying.

HAVE CONFIDENCE

Have confidence in all you do
The dreams you have, you should pursue.
Believe you can do it

Take action don't quit.
Take one day at a time And up the ladder,
you can climb Believe you can succeed
Don't give up and concede.

Sometimes we take one step forward and two steps back,
But write out your goals and stay on track.
Keep moving forward and you will see You can do it,
so shout with glee.

The secret to success you will find
When you believe in yourself,
Life is kind Have faith and believe
That you can achieve!



Nithin J G
III/IT

Future Dream

Hold fast to dreams
For if dreams die
Life is a broken-winged bird
That cannot fly

Hold fast to dreams
For when dreams go
Life is a barren field
Frozen with snow

Our future lies
Within the roots
Of the seeds
We have planted...



Kesiya R.G
III / CSE

MOTIVATION

We still want to believe,
Even though it's unbelievable;
To lose our one path,
Is the way to find our other path;
Even if we are slow,
We should walk with our own feet;
Bcoz we know that,
This path is ours to take;
Even if we go back,
We will reach this path eventually;
Only when we focus on our dream,
We can achieve our goal,
We should never lose our dream

Hebeya Salon S.K
III CSE

*I am money.
 People work hard for me.
 They live for me.
 They earn for me.
 They take all sorts of risks for me.
 People struggle for me,
 They try for me.
 Fall for me.
 They fly for me.
 I exist in a world where
 I am just a piece of paper.
 But I decide one's present and future.
 I am money.
 The one who has me is respected.
 The one who doesn't is rejected.
 Today's world has no mercy and no concern.
 The wants are never satisfied
 No matter how much people earn.
 The kind hearted ones are teased.
 The selfish ones are pleased.
 The rich is cured.
 The poor is diseased.*

MONEY



JASLIN SINDHYA D
 M.E CS/ II YEAR



THROUGH THE EYES OF SOURCE

MY PHYSICAL EYES HAVE LIMITED SIGHT
FILTERS OF THOUGHT AND BELIEF BLUR MY VIEW
BUT IF I LOOK THROUGH THE EYES OF SOURCE
I CAN SEE EVERYTHING CLEARLY AND TRUE
TO LOOK THROUGH WITH THE EYES OF SOURCE
I FIRST NEED TO CHANGE AND LIGHTEN MY MIND
I LET GO OF ANY NOT-GOOD FEELING THOUGHTS
AND THINK ONES THAT FEEL BETTER AND KIND
I TALK TO MYSELF ABOUT THINGS THOSE ARE GOOD
AND THINGS THOSE I REALLY APPRECIATE
THEN AS I FEEL THAT UPLIFTMENT IN ME
THROUGH THE EYES OF SOURCE I WILL VIBRATE
LOOKING THROUGH THE EYES OF SOURCE
IT IS EASY TO APPRECIATE AND EXPAND
BY NOTICING ALL THE BEAUTY THERE IS
WHEREVER MY ENCHANTED GAZE MAY LAND
WALKING OUTSIDE WITH MOTHER NATURE
USING THE EYES OF SOURCE AS MY LOOKING GLASS
MY VISION SOMETIMES GETS BLURRED WITH TEARS
AT THE INTENSE MAGNIFICENCE OF EVERYTHING I PASS
ALL THE COLOUR, SHAPE, SIZE AND VARIETY
OF THE INFINITE ABUNDANCE OF NATURE'S FORMS
FROM MAJESTIC TALL TREES TO A DAISY IN THE GRASS
VIEWING WITH THE EYES OF SOURCE, MY HEART WARMS
IN EVERY FACE THERE IS A SIMPLE BEAUTY
THE EYES OF SOURCE WILL ALWAYS SEE
WRINKLED, SCARRED - IT MATTERS NOT
EVEN LOOKING IN A MIRROR AT ME
THE INTOXICATION I FEEL HAS SEEPED INTO MY LIFE
I AM NOW SELECTIVE ON WHERE MY FOCUS WILL BE
I'VE LOST INTEREST IN LOOKING WITH MY DULL 'HUMAN' EYES
AS THROUGH THE EYES OF SOURCE I NOW CHOOSE TO SEE



JANILSAM J
III/EEE

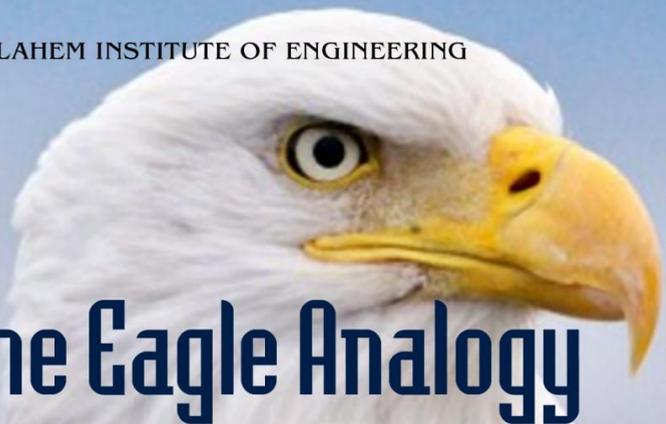
വിദ്യാഭ്യാസത്തിൽ കലകൾക്ക് ഉള്ള സ്ഥാനം



വിദ്യാഭ്യാസം എന്നുപറയുമ്പോൾ ബുദ്ധിയെയും കർമ്മശക്തിയെയും വളർത്തുക എന്നുമാത്രമല്ല നാം വിശേഷിപ്പിക്കുന്നത്. മനുഷ്യന്റെ അന്തഃസത്തയെ വികസിപ്പിക്കുകയും ശുദ്ധമാക്കുകയും ചെയ്യുക, അവനിലുള്ള താണതരം വികാരങ്ങളെ മെരുക്കുകയും സൽസ്വഭാവങ്ങളെ സംസ്കരിക്കുകയും ചെയ്യുക ഇവയൊക്കെ വിദ്യാഭ്യാസത്തിന്റെ മറ്റുചില ലക്ഷ്യങ്ങളാണ്. ചിന്തിക്കാനും ആധുനിക ജീവിതത്തിന്റെ സങ്കീർണ്ണമായ ചുമതലകളെ ഏറ്റെടുക്കാനും കഴിവുള്ള ചെറുപ്പക്കാരെ സൃഷ്ടിക്കുക എന്നത് ഏതു രാഷ്ട്രത്തിന്റെയും നിലനിൽപ്പിനുതന്നെ ആവശ്യമാണ്. ക്ലാസ്റൂമുകളിലും ലബോറട്ടറികളിലും ഒരുങ്ങിനിൽക്കാത്ത ഒരു വിദ്യാഭ്യാസമുണ്ട് സാഹിത്യത്തിന്റെയും കലകളുടെയും മനുഷ്യചരിത്രത്തിന്റെയും മണിയറകളിൽ നിന്നുമാത്രമേ ഇത് ലഭിക്കുകയുള്ളൂ. ഈ വിദ്യാഭ്യാസമാണ് മനുഷ്യന്റെ ഏണം കോണം ചെയ്തിമിനുക്കി അവനു ഒരു സംസ്കാര സമ്പത്തിന്റെ രൂപം നൽകുന്നത്. സാഹിത്യത്തിനും ചരിത്രത്തിനും മുൻപ്തന്നെ വിദ്യാഭ്യാസത്തിൽ സ്ഥാനംനൽകിയിട്ടുണ്ട്. പക്ഷെ, കലകൾക്ക് സ്ഥാനം ഇപ്പോൾ നൽകിത്തുടങ്ങിയിട്ടേയുള്ളൂ.



**Varsha V.S
Mech/I**



The Eagle Analogy



Deobin M
IV/Mech

We all know about eagle. It is a symbol of power, courage and immortality. It is the most powerful of the birds of prey, which relatively longer and more evenly broad wings. Each country has its own national birds. Americans have taken eagle as their national bird. The eagle is the king of the superiority power. Each and every one must know about certain good characters behind the eagle. Let us see one by one.

Eagle builds its nest in the cliffs of the rock

The bald eagle's largest nest is called aerie. A typical nest will range from 1.8 to 3 meters (6-10 feet) high. The nest cavity where the eggs are laid is about 30 to 40 centimeters (12-16 inches). Eagles generally nest near cost lines, rivers and large takes where there is adequate food supply. Eagle's nest are constructed with large sticks, and may be lined with moss, grass, plants stalks, lichens, sea weed, or sod. Eagles usually like to have a clear view in all direction around the nests. Just like eagle we make our home in the rock of assurance and safety.

Eagle dwell in a same place throughout her life

"Birds of like feathers flock together" is an old saying. Like eagle do not mix with other birds. The nest is often used by the same pair year after year. Each year the birds add new material to the nest. It is said that one nest is made up of nearly two tons of sticks. Their nesting areas are characterized by extreme regularity of the nest spacing. Due to consistency of use by udder eagle pairs, population densities change generally happens only quite gradually.

Eagles love storm

Eagles are the only birds that love storm. They use the wind of the storm to rise higher in a fraction of seconds. All the other birds try to flee from the storm and hide its fierceness; eagles fly it in to and will use the wind of the storm to rise higher in a matter of seconds. Once above the storm, the eagle is clear of the rough winds and its flight becomes smoother with less effort. So embrace the change, fly in to the storm.

Eagles see a long distance prey

Eagles fly at great heights at a very high speed and have powerful eyes that help them to detect their prey from a far distance and snatch then quickly without any alert. They focus both their powerful eyes on one object which helps them to see depth and distance much more clearly and hence locate the prey precisely. Eagles have sharp eye sight. Their eyes are eight times sharper than humans.

Eagles train its children to maturity

In the Holy Bible, Deuteronomy 32:11 Mosses Said, "As an Eagle stirs up its nest hours over young. Spreading out its wings:" The mother eagle was feeding the young eaglets for a long time and frantically flapping her wings over the nest. After some days the mother eagle push the eaglets out of the nest before those little eaglets had fallen very far, Those mother eagle swapped down underneath them and caught them on her wings and was bearing then back up to the nest again. This was repeated over and over until they become perfection in flying. So like eagle we must care our children, lead them and feed them and stir then up to go onward and to grow up.

Eagle retire until new feathers grow

When eagle gets older and weak because of the worn out feathers which slow down its flight speed and maneuvers, the eagle retire away in the rock and will pluck away all its old feathers until it is completely bare. It waits until a new set of feather grows and comes out of her body. In order to be renewed with new feathers and be strengthened to most up. When we follow the characteristics of eagle we will become good and mighty.

ആത്മസൗഹൃദം



Arathi R.S
III/CSE

കാലത്തിൻ വീഥിയിൽ നഷ്ടമായിട്ടും അനശ്വരമാം ബന്ധമാണ് സൗഹൃദം ഞാൻ പോലുമറിയാതെ എന്നിലേക്കെത്തിയ നിസ്വാർത്ഥമാം സൗഹൃദം .

ഒരിക്കലും തിരികെ ലഭിക്കാത്ത ബാല്യത്തിനു കൂടെനും, നിഷ്കളങ്കമാം സൗഹൃദം നൽകിടും മധുരിക്കുമി മായാത്ത ഓർമ്മകൾ.

വർണ്ണ ചരടുകളിൽ കോർത്തിണക്കിയ സൗഹൃദത്തിന്റെ ഒർമ്മകൾ, കാൽപ്പനികതകൾക്കപ്പുറമുള്ള ആത്മസ്പർശമാം ബന്ധങ്ങൾ.

രക്തബന്ധങ്ങൾ ശിഥിലമായിട്ടും നേരത്തും കൂടെ നിൽക്കുമി മായാത്ത ഓർമ്മകൾ നൽകിടും ലാവണ്യമാം ആത്മസൗഹൃദങ്ങൾ .

തളർന്നിടും നേരത്തും തണലായിലും ഓർമ്മകൾതൻ ആത്മസൗഹൃദങ്ങൾ, കാലം വരുത്തിക്കും വിവേചനങ്ങളാൽ അതിരുകൾ തീർത്തിടുന്നു.



SMILE



Aslin
IV/EEE

A smile is quite a funny thing, It wrinkles up your face.
And when it is gone, you'll never find Its secret hiding place.
But far more wonderful it is to see what smiles can do.
You smile at one, He smiles at you, And so one smile makes two.

ROCKS, PEBBLES AND SAND

Once a professor entered the classroom with a glass jar, rocks, pebbles, and sand. The students were amused to see what he was up to. First, he started filling the rock parts into the jar until he couldn't add any more. He asked the students if the jar was full and everybody nodded yes. He then started putting the pebbles inside the jar which went inside through the small gaps and he shakes the jar to allow the pebbles to get into those vacant spaces in between the rocks.

He asked the same question to the students and they again said that the jar was full. Finally, he poured the sand inside the jar which went through the minute gaps and got filled in the jar. The professor explained that this is how you should set priorities in life. Rock is like your family, while pebbles are like your career while sand is like the least priorities in life and unnecessary quarrels and egos.

If you put sand on the jar first, it will get easily filled up leaving no space for rocks and pebbles.

Moral:

You should identify your priorities in life and develop a good strategy to work towards fulfilling it rather than wasting your time and effort on unnecessary aspects of life.



Aruna A
III / EEE

CYBER SECURITY



I have a firewall to keep the baddies out,
 And a spam filter to keep my inbox clean,
 I have a password that I never share,
 And an antivirus to keep me safe,
 I'm a cyber security expert,
 And I'm not afraid to show it.



Arathi
 III/IT

I DREAMED, I HAD AN INTERVIEW WITH GOD



Anto Vidson D
III/Civil

“I dreamed, I had an interview with god” is written by Jim Brown. “So you would like to interview me?” god asked. “If you have the time” I said .God smiled “My time is eternity, What question do you have in mind for me?” god asked. “what surprises you the most about humankind?” I asked. God answered, “That they get bored with childhood ,they rush to grow up and then long to be children again ,that they lose their health to make money and then lose their money to restore their health , that by thinking anxiously about the future ,they forget the present , such that they live either in the present or the future, they live as if they will never die and they die as if they never lived.” God’s hand took mine and we were silent for a while. “As a parent, what are some of life lesson that you want your children learn?” I asked. God replied with a smile, “To learn they cannot make anyone love them, what they can do is to let themselves be loved ,To learn it is not good to compare themselves to others, To learn that a rich person is not the one who has the most, but needs the least, To learn that it only take a few seconds to open profound wounds in the person we love and it takes many years to heal them, To learn to forgive by practicing forgiveness, To know that there are persons who love them dearly ,but simply do not know how to express or show their feelings, To learn that two people can at the same thing and sense it differently, To learn that it is not always enough that they be forgiven by others ,but they must forgive themselves and to learn that ,I am here(God) always.”



Anlin Jafy S E
PED(EEE) ME/II

Parent's Love

**Lotus is Beautiful
Like my Mother's face,
Jasmine smells Sweet
Like my Father's words;
Marigold looks Cheerful
Like my Mother's smile
Rose poses Pretty
Like my Father's love
Beauty of flowers may go Dry
But,
Parent's love never Dies.....**



Covid-19, corona, masks, distancing, ambulance, vaccine, lockdown, earthquakes, cyclone, floods, terrorism, war and death... Are you afraid of hearing these terms ?? Do you feel irritated while coming across these drastic words ?? No other choice, maybe yes/no, right?

I personally thought to pen on this topic hearing a heart breaking incident... A quarantined man slipped from the stairs of his own house and got a serious injury. The wife, after seeing her struggling husband, didn't even dare to touch him only because he was a Covid positive patient. And now he is no more. Someone's fear has snatched the life of another one...

Generally we humans are born with certain fears... But hearing death, which is unpredictable, according to me is nothing less than stupidity or foolishness. I completely agree with Henry Van Dyke's words, "Some people are so afraid to die, that they never begin to live".

I know its very hard to cope up with present fiddly situation. It's the time we should stand together and help the deprived. Recently I came across a line "United we fall, divided we survive". This line is only meaning the physical health and safety.

To maintain a rigid and powerful mental bond we should stand with, "United we survive, divided we fall".

Yes, lets stay positive. Fear can only snatch lives... Unnecessary fears may kill you when you are alive. "He who doesn't fear death, dies only once", said by Giovanni Falcone is exactly true.

The ultimate reason for the rise of fear is unwarranted or inessential thoughts about life and its course. Lets don't waste our costly time on cynistic thoughts. Remember the words of W.Clementstone, "Thinking will not overcome fear but action will". Lets act accordingly and at the right time.... Burry up the fears in you ... Go search for your weakness and make it your strength... FEAR has two meanings:

1. Forget Everything And Run.
2. Face Everything And Run.

Now the choice is yours... Nobody can lead a life without fearing something or someone... But choose the unerring FEAR. Lets build our lives with courage, daring, audacity, fearlessness... And be sure, you are the HERO of your life... Don't let the circumference and the undeserving particles make you the villain in somebody's life...

Think, what would life be if we had no courage to attempt anything ??? So, "Never trust your fears because they don't know your strength..."

NEVER TRUST YOUR FEARS



Anupriya.R
III / CSE

இயற்கை

இசை பாடும் குயில் ஒசை கேட்க
இதம் தரும் குளிர் காற்று பெற
இன்பம் பயக்கும் வாழ்வு அடைய
இயற்கை சோலையில் வாழ்க!

மல்லிகை முல்லை செம்பருத்தி - அட!
இயற்கையிலேயே மணம் தோன்றும் - இந்த
இயற்கை என்பதே அவள்தானே - அவள்
இல்லாமல் பூ எதில் பூக்கும்?

இயற்கைத் தாயும் ஒரு பெண்தான் - இந்த
உலகில் தோன்றிய முதல் பெண்தான்! - வன
மரங்கள் அவளது ரோமங்கள் - பெரும்
காடுகள் எல்லாம் கூந்தல்கள்!

அவளது கூந்தலில் முடிகளிலே - தினம்
பலவகை வண்ணம் பூக்கும் - இந்த
உலகின் அத்தனைப் பூக்களும் - அவள்
அங்கம் முழுவதும் நருமணக்கும்.

செண்பகப் பாண்டியன் மனத்தினிலே - ஒரு
சந்தேகம்தான் தோன்றியதே! - இந்த
சண்முகம் எழுதிய பாட்டினிலே - அதன்
குட்சமம் எளிதாய் விளங்கிடுமே!



Brightlin Jeffy S
ECE / II

For Better Tomorrow

*Struggle today for a better tomorrow,
Hard work pays you should always know.
No matter how tough may seem the climb, Keep moving,
keep fighting one win at a time.
Perseverance and patience go a long way,
Because for the sunrise,
Even the longest nights make way..*



Adwin Jino D
EEE / IV



What is cybersecurity?

Cybersecurity is the protection of internet-connected systems such as hardware, software and data from cyber threats. The practice is used by individuals and enterprises to protect against unauthorized access to data centers and other computerized systems.

Why is cybersecurity important?

With an increasing number of users, devices and programs in the modern enterprise, combined with the increased deluge of data -- much of which is sensitive or confidential -- the importance of cybersecurity continues to grow. The growing volume and sophistication of cyber attackers and attack techniques compound the problem even further.

What are the different types of cybersecurity threats?

- **Malware** is a form of malicious software in which any file or program can be used to harm a computer user.
- **Ransomware** is another type of malware that involves an attacker locking the victim's computer system files -- typically through encryption -- and demanding a payment to decrypt and unlock them.
- **Social engineering** is an attack that relies on human interaction. It tricks users into breaking security procedures to gain sensitive information that is typically protected.
- **Phishing** is a form of social engineering where fraudulent email or text messages that resemble those from reputable or known sources are sent.



Types of Attacks



Ways to Prevent Cyber Attacks.

- ◆ Keep your software and system fully up to date.
- ◆ Ensure Endpoint Protection.
- ◆ Install a Firewall.
- ◆ Backup your data.
- ◆ Control access to your system.
- ◆ Wifi security.
- ◆ Access Management.
- ◆ Passwords.



P.S.ASHKIN
II/ IT

What is a Success?

In Today world everyone wants to be Successful but what is a Success? The perspective of Success varies from person to person. For the record, the people before us have a different view on Success and the person after us will have a different view on Success. Moreover, people compare different people performance to evaluate their Success. But Success is not something that you can copy from others. You have to make your own path to achieving Success. In modern day, people are obsessed with Success because of the glamour and lifestyle of Successful people.

There are many ways in the world to be Successful. But most people think of celebrities, artist, politicians and business men whenever they heard the word Success. Moreover, they think doing what they will make you successful but that not the case. They forget the most basic thing that makes a person Successful that is their hard work, dedication and the desire to achieve their dream. More importantly, they want what they like to do not what that others told them to do. Successful people do what they like to do also they do what they feel correct for their future Success.

If you look in the dictionary for the meaning of the word Success then you will find that it means the word Success is the "achievement of one's goal or aim". So basically, anyone can achieve Success by simply achieving their aim or goal. We all knew that we can't achieve something without sacrificing something. Success also demands various things from you. But these Sacrifices will not go in vain if you achieve your goal. Certainly, many people achieve professional success but in doing so they fail in achieving mental, social and physical success. The tension of lacking behind in other things pulls them apart.

Also, there are cases where people become So obsessed with Success that the people around them Start to feel uncomfortable. In Some cases, they have gone mad. Apart from that, people also get depressed if they can't achieve Success like others. So, we can say that there is much harm to Success.

It may sound unfit to some people but success depends a lot of hard work. Without it, you can't become successful. Hard work does not mean that you do laborious work or the work that make you sweat. Hard work means having a healthy body. Strong mind, well power and positive attitude towards things. And for all those things you need energy. So be attentive to your body and Soul. Apart from that be with positive people develop positive habits and do exercise not only for the body but also for your mind. To sum it up, we can say that success is like a seed that needs a balanced proportion of all the elements of life. Above all, success is the feeling of fulfillment that you feel when you achieve your goal.



Ajeera A
M.E S E / I Year



SUCCESS

It's OK

It is ok to fall down
 It is ok to make mistakes
 It is ok to fail
 It is ok to ignore
 It is ok to have the shakes
 It is ok not to know everything
 It is ok to feel sad
 Relax, let it go, it's not the end
 Life is n't that bad
 Keep going, keep grinding
 Even when you hit a wall
 Because you're in it
 For the long haul.



AJAY M R
 IV / EEE



இயற்கை

தினமும் எழும் சூரியனே...!
 உன்னை யார் எழுப்புகிறார்?
 துணையே இல்லாத நிலவே...!
 யாருக்காக தினமும் காத்திருக்கிறாய்...!
 உனக்கு என்ன அவ்வளவு சோகம்?
 மழையாய்ப் பொழிகிறாய்...!
 வானவில்லே...!
 ஏழு வண்ணத்தில் யாருக்காக பாதை அமைக்கிறாய்...!
 எல்லாம் மனிதனுக்காக இல்லை ஆனால்
 நாம் எல்லாவற்றையும் எடுத்துக் கொண்டோம்...!



M.RUBI BENCY,
 II / IT

HOPE

"Hope" is the thing with feathers
That perches in the soul
And sings the tune without the words
And never stops at all

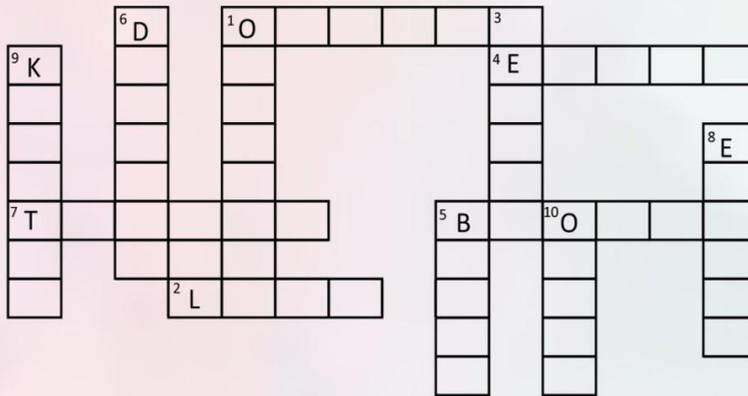
And sweetest in the Gale is heard
And sore must be the storm
That could abash the little Bird
That kept so many warm

I've heard it in the chilliest land
And on the strangest Sea
Yet never in Extremity,
It asked a crumb of me.



Deepu D
III / IT

Crossword Puzzle



ACROSS

1. Essential gas we breathe in...
2. Plant part that does photosynthesis?
4. Suez Canal belongs to this country ...
5. Common name for Botulinum toxin ...
7. Hardest known natural material ...

DOWN

1. Hardest known natural material
4. Suez Canal belongs to this country
5. Alloy made of copper and tin ...
3. Bees collect this to make honey...
6. Hardest known natural material ...
9. What are your nails and hair made of...
10. Substance produced by lightning ...



Moideen D
II / EEE

My College Life

College Life is one of the most remarkable and lovable times of an individual's life. Unlike School Life, College Life has a different experience, and a person needs to have this experience in his/her life. College Life exposes us to whole new experiences which we always dream of experiencing after our school life. Lucky are those who get the chance to enjoy their college life, as many people don't get this chance due to their circumstances or financial issues. For every person, College Life has a different meaning. While some people spend their college life partying with friends, others become more cautious about their careers and study hard. Whatever the way, every individual enjoys their college life and always wishes to relive that time once it is over.



Dominic Franklin C
IV/EEE

EDDY CURRENT BRAKE

NEED FOR IT:

Many of the ordinary brakes, which are being used now-a-days to stop the vehicles are by means of Mechanical blocking. This causes skidding and wear & tear of the vehicle and if speed of the vehicle is very high, the brake can't provide that much high braking force & it will cause problem. These drawbacks of ordinary brakes can be overcome by "The Eddy current brake".

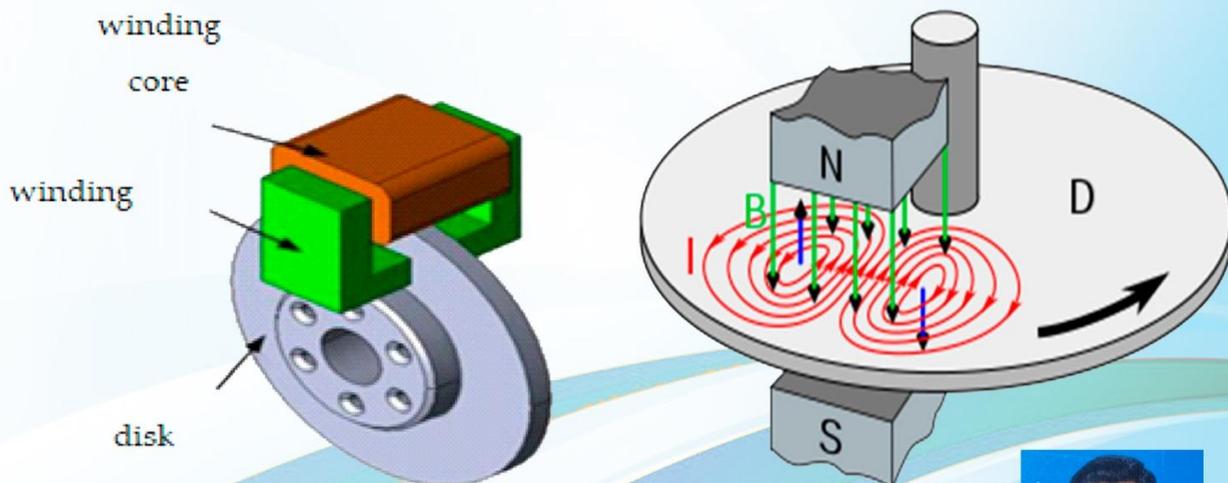
PRINCIPLE OF OPERATIONS :-

It works according to Faraday's law of electromagnetic induction. Essentially the Eddy current brake consists of two parts, a stationary magnetic field system and a solid Rotating part, which includes a metal disc. During braking the metal disc is exposed to a magnetic field from an electromagnet, generating Eddy currents in the disc. The magnet interaction between the applied Field and the Eddy currents slow down the rotating disc. Thus the wheels of the vehicle also slow down. Since the wheels are directly coupled to the disc of the Eddy current brake, thus producing smooth Stopping motion.

TYPES:-

It is of two types

- 1- Electrically excited eddy current brake
- 2- Permanent magnetic eddy current brake



Austin Daniel Raj G
EEE /II

ELECTRICALLY EXCITED EDDY CURRENT BRAKE:-

Electrically excited eddy current brakes are a free method of braking. In high-speed trains they offer a good alternative to the mechanical rail brakes which are being used now-a-days. During braking, the brake comes in contact with the rail, and the magnetic poles of brakes are energized by a winding supplied. Magnetic poles of brakes are energized by a winding supplied with current from the battery. Then the magnetic flux is distributed over the rail. The eddy currents are generated in the rail, producing an electromagnetic braking force. These types of braking need an additional safety power supply when there are breakdowns in the electrical power supply.

The maximum diameter of the Eddy current brake is decided by

- 1- The spacing of vehicle chassis frame
- 2- Vehicle floor clearance

In this braking system kinetic energy of the vehicle is converted to heat and this heat is dissipated through the rotating disc.

WORKING:-

When the vehicle is moving, the rotor disc of eddy current brake which is coupled to the wheels of the vehicle rotates, in close proximity to stationary magnetic poles. When we want to stop the vehicle, a control switch is put on which is placed on the steering column in a position for easy operation. When the control switch is operated, current flows from a battery to the field winding, thus energizing the magnet. Then the rotating disc will cut the magnetic field. When the disc cuts the magnetic field, flux changes occur in the disc which is proportional to the strength of the magnetic field.

The current will flow back to the zero field areas of the metal plate and thus create a closed current loop like a whirl or eddy. A flow of current always means there is a magnetic field as well. Due to Lenz's law, the magnetic field produced by the eddy currents works against the movement direction. Thus instead of mechanical friction, a magnetic friction is created. In consequence, the disc will experience a "drag" or the braking effect, and thus the disc stops rotation. The wheels of the vehicle, which is directly coupled to the disc, also stop rotation. Faster the wheels are spinning, stronger the effect, meaning that as the vehicle slows, the braking force is reduced producing a smooth stopping action.

The control switch can be set at different positions for controlling the excitation current to several set values in order to regulate the magnetic flux and consequently the magnitude of braking force. i.e. if the speed of the vehicle is low, a low braking force is required to stop the vehicle. So the control switch is set at the lowest position so that a low current will be supplied to the field winding. Then the magnetic field produced will be of low strength, so that a required low braking force is produced. When the control switch is operated during the standby position of the vehicle, the magnet will be energized and magnetic field is created. But since the wheels are not moving, magnetic lines of force are not cut by it, and the brake will not work. However, a warning lamp is provided on the instrument panel to indicate whether the brake is energized.

This provides a safe guard for the driver against leaving the unit energized. When control switch is put in any one of the operating positions, the corresponding conductor in the contractor box is energized and current flows from the battery to the field winding to the contractor box. This current magnetizes the poles in stator, which is placed very near to the rotor. When rotor rotates it will cut magnetic lines and eddy current will set up in the rotor. The magnetic field of this eddy current produces a braking force or torque in the opposite direction of rotation disc. This kinetic energy of rotor is converted as heat energy and dissipated from rotating disc to surrounding atmosphere. Current in the field can be changed by changing the position of the control switch. Thus we can change the strength of the braking force.

APPLICATION:-

In case of trains, the part in which the current is induced is rail. Brake shoe is enclosed in a coil from an electromagnet, when the magnet is energized, Eddy currents are induced in the rail by means of an electromagnetic induction probably producing braking action.

Nature



Sam Jospin Raj M
IT / III

The dawn is gleeful
With the shadow of my beloved.
It cheers with the tone of her voice.
The sun welcomes the morn,
With the painting of my beloved.
She flashes the light
To show her eternal beauty.
The sky is proud with her reddish color.
I'm so costly because of my divine sweetheart.
I've forgotten all the spheres of life
Except for the morn.
I've forgotten all
Except for my divine sweetheart.

The Potential of Subconscious Mind

I can't see it but I can hear it, A voice of conviction in my head, I can't touch it but I feel it's presence, I'm sure it truly exists. The mind is like a very fertile plain, Any seed good or bad will thrive well, It all depends on the energy it receives, A negative mind will never give you a positive life. The mother of instincts, the birthplace of all emotions and sentiments, A pace setter, a goal getter, self fulfillment is assured, provided that I am steadfast in my decision. I want to stop, I can't see any possible success, Even my friends say I will eventually get tired of trying, But the voice in my head tells me to go far in life, So far that I can't hear those friends anymore. I know the power of my mind and so I programmed it for success, And if my vision gets blurry, I'll adjust my focus, I won't stop when I'm tired, I'll stop when I'm done, The mind is everything, what you think, you become.



R. SREE RAM
III / IT



Who are Mechanical Engineers

Mechanical engineers are professionals who specialize in the design, development, and maintenance of mechanical systems, including machines, tools, engines, and other mechanical devices. They apply principles of physics, materials science, and mathematics to create, analyse, and improve these systems, ensuring they are safe, reliable, efficient, and effective.

Mechanical engineers work in a variety of industries, including automotive, aerospace, energy, manufacturing, and robotics, among others. They may work on projects ranging from small components to large, complex systems, and are often involved in every stage of a product's development, from concept and design to testing and implementation.

One of the primary responsibilities of mechanical engineers is to design and analyse mechanical systems to ensure they meet the desired specifications and requirements. They use computer-aided design (CAD) software and other tools to create detailed models of their designs, which they then test and refine through simulations and physical prototypes.

Mechanical engineers must also ensure that their designs are safe and reliable. They use their knowledge of material science to select the appropriate materials for each component of the system, and they must carefully consider factors such as stress, vibration, and temperature when designing each part. They also conduct thorough testing to ensure that their designs can withstand the expected wear and tear of everyday use.

In addition to designing new mechanical systems, mechanical engineers also play an important role in maintaining and improving existing systems. They may be responsible for diagnosing and repairing mechanical failures, performing routine maintenance, and developing plans to upgrade or optimize existing systems to improve their performance.



Subin M
IV MECH

Overall, mechanical engineers play a crucial role in the development and maintenance of the mechanical systems that drive our modern world. Their work is essential to ensuring that machines and other mechanical devices are safe, reliable, and efficient, and that they meet the needs and expectations of the users who rely on them.

LIFE TOWARD A BEAUTIFUL WORLD

Life is simple, we have to understand this simple logic. First of all, we need to understand that why are we existing on this beautiful world? Is it because god sent us to live here? Why did he do so? Right from childhood we heard that there will be 7 parentages for an organism. But we don't know about that, but we know one parentage between that on which we are living right now. In between the birth and death have you all planned what to do? I was just told that, you have to study well, score good marks, get good job and run behind money. That's why we are not happy in our life. I agree that it is necessary but not too much. Just think why we are not satisfied in our life? Because it is not going according to our will? Hm, but we can lead our life in our own style according to our will, it is possible if we are ready to change. If today is not a good day wake up tomorrow and start a better day. Look around you, it is amazing Life is what you make of it. Meet people with good smile even if they are strangers to you. People may think why we should smile for an unknown person because a simple smile have a great meaning. We live in such a breathtaking environment that it is full of magic and wonders. THE MORE BEAUTIFUL WORLD OUR HEARTS KNOW IS POSSIBLE says Charles Eisensten.



Aksha Sherin
III ECE

METAVVERSE

Metaverse is a network of 3D virtual worlds (computer generated environment) focused on social and economic connection. The term metaverse was coined in 1992 by author Neal Stephenson in his sci-fi novel Snow Crash, and work on the technologies that underpin a virtual reality-based internet date back decades. Metaverse is a digital ecosystem built on various kinds of 3D technology, real-time collaboration software and blockchain-based decentralized finance tools.

The metaverse doesn't compete with the internet - it builds on it. The internet is something that people "browse," but people can "live" in the metaverse to a degree. The growth of the internet has spawned many services that are leading the way to the creation of the metaverse. In 2021, Facebook's parent company rebranded to Meta, expanding its focus beyond social media to encompass building the metaverse.

Its works by allowing an infinite number of people to synchronously connect together in real time in an always-on virtual environment that's immersive, three-dimensional and connects to our physical world in seamless ways. Within 20 years expecting metaverse become a part of our daily usage.



Abina
III IT

College Life

Stepping into a new life where
 One faces oneself
 Some consider everything a race
 and chase after them all,
 While others find it difficult
 to even tie their shoe lace.
 Many here care for you,
 but you care for a select few
 Lots of leisure, lots of pressure
 In the midst of which, some search for treasure.
 The greatest invention being the headset
 without which no one's heads are fit
 More sleep, less work, but still
 feeling tired every other minute.
 Sudden decisions rare output
 even don't care for taking next
 More dance, more wishes,
 Many an exam and test.
 Suddenly, when you look back
 The poster says 'The End',
 The 35040 hours of these four years
 Are just like the three hours of a movie
 Passing by in the snap of your fingers
 Leaving behind many a memory that lingers.



Abisha A
IT Final



BE UNIQUE

If people aren't different, how are we going to get anywhere in life?... Society tells us that in order to 'fit in' we all must be the same. This is not valuable because when we all act the same, nothing new will ever come out.

When you try to 'fit in', you may start to conform to things with which you don't agree. Which may create to lose a sense of good or wrong according to your personality. Dr. Secuss, once said, "be who you are and say what you feel; because those who mind don't matter, and those who matter don't mind." This quote tells us to be unique and act as we were made. When people conform to one another they begin to live their lives the way others want them to; not the way they want to live out their lives. A small example: if you are told that drinking is okay by your friends, at some point you may forget your morals and go along with it solely because they are doing it. 'Uniqueness is what creates the world'

Trying to be like everyone else is hard work and doesn't pay off. You must be yourself to achieve your goals. When you try to 'fit in' and be the same as those around you, you are diminishing who truly you are. In order for change to access, you must have different viewpoints and beliefs. What makes you unique? Your experiences, look at all initiative you took, problems you solved and achievements you created makes you unique.

'Always remember that you are absolutely unique, just like anyone else'

"BE YOU BE UNIQUE"



**R A Abinaya
III / IT**



Febin Joy R L
EEE/III

"The unexamined life is not worth living."
 "Content is fire. Social media is gasoline."
 "Love all, trust a few, do wrong to none."
 "Love is a thing that is full of cares and fears."
 "When everything seems to be going against you, remember...the airplane takes off against the wind, not with it."
 "Don't settle for what life gives you; make life better and build something."
 "Keep calm and carry on."
 "Nobody on earth can ever love you more than your parents."
 "When we work, we work. When we pray, God works."
 "God has given us two hands, one to receive with and the other to give with."

Quotes

"Education is the passport to the future, for tomorrow belongs to those who prepare for it today."

- Malcolm X

"A little progress each day adds up to big results."

- Satya Nani

"Skill is only developed by hours and hours of work."

- Usain Bolt

"The beautiful thing about learning is that nobody can take it away from you."

- B.B. King

"Just one small positive thought in the morning can change your whole day."

- Dalai Lama

"You can't have a better tomorrow if you're still thinking about yesterday."

- Charles F. Kettering

"If opportunity doesn't knock, build a door."

- Milton Berle

"Every accomplishment starts with the decision to try."

- Gail Devers

"Fall seven times, stand up eight."

- Japanese Proverb

"I've failed over and over and over again in my life. And that is why I succeed."

- Michael Jordan

"Just believe in yourself. Even if you don't pretend that you do and, at some point, you will."

- Venus Williams

"You are braver than you believe, stronger than you seem and smarter than you think."

- A.A Milne



Abishek
EEE/IV

My Friend



**ALMON.J
IV / MECH**

My mornings dawn when my Friend wakes me up.
When He wishes me good day nothing goes wrongs.
He stays with me all praise,glory,and this song.
When people change for the world around them.
My Friend change the world for me.
He make my path straight and safe.
He make sure that nothing hurts me.
Before I play, He knew my mind.
Before I earn, He knew my gain.
Before I walk, He knew my way!
Before I cry, He knew my pain!
Before I speak, He knew my works.
Before I think, He knew my heart.
Before I was born, He knew me form the seed!
He walk with me where ever I go.
Even before I stumble, He stretches his hand.
Hold me close and hugs me soft.
He heals my wounds and make me stand.
This is my Friend who close me to walk with him.
Before you alone my knees bow
My heart and my soul always live for you
All glory and praise belongs to you alone.

My Jesus My Friend



മതഭ്രാന്ത

അവർ
ക്രിസ്തുവും നബിയും
ക്രൈസ്തവനായ കാണാത്തവർ കരുണാമയന്റെ
വസ്ത്രങ്ങൾ കിനിയുന്നു നബിക്കാകട്ടെ
നടന്നു തളർന്ന ക്ഷീണവും
പഴയതിലും പഴയ ചിരിയുമായി അവതാരപുരുഷൻ
മത്തച്ചേല തൊടിത്തു. ഉഴൽമുറിയിൽ
വീഞ്ഞും അപ്പക്കഷണവും നിരക്കവേ
പുറത്തു
ജനാലകളടയുന്ന ശബ്ദം. ചില്ലുപാളികൾക്കിടയിലൂടെയാരോ
കുറ്റപത്രം നീട്ടി
പള്ളിയും ക്ഷേത്രവും അതിർത്തിരേഖകൾ ലംഘിച്ചു.
നീതിന്യായത്തിന്റെ
വിധിപീഠത്തിലിരുന്ന്
ആരോ പ്രഖ്യാപിച്ചു
'പിടിച്ചുകെട്ടുക'
ക്രൈസ്തവനായ മത്തച്ചേലയിൽ
വരിഞ്ഞു മുറുക്കി
സ്വർണപടച്ചട്ട
വെട്ടിമാറ്റി
ക്രിസ്തുവിന്റെ താടിയാരോ
തീ കൊള്ളത്തി
വീഞ്ഞു കുപ്പി തലയിൽ കമഴ്ത്തി.
കുളിച്ചു നിവരുകയായിരുന്ന
നബിയെ
കുളിമുറിയിലിട്ടു പുട്ടി.
എല്ലാം കണ്ട്
ചുമരിലെ മറയിലിരുന്ന് മതേതരത്വത്തിന്റെ
ഇന്ത്യൻ പല്ലി ചിലച്ചു.
തളർന്ന കൊക്കിന്റെ
അരുതെന്ന് കുറുകിയ
വെള്ളരിപ്രാവ്
നാല്പത്തൊട്ടിൽ തളർന്നു വീണു.
കത്തിയെരിഞ്ഞ
ഇടവഴികളിൽ
കാലുപൊള്ളാതിരിക്കാൻ
മതങ്ങളുപേക്ഷിച്ച ദൈവങ്ങൾ
പതനി നടന്നു.
തത്രെപ്പടലിനിടയിൽ
ക്രിസ്തു പഴയ മുൾക്കുരിശിലേക്കു വലിഞ്ഞുകയറി.
പ്രവാചകൻ
സ്വയം കല്ലെറിഞ്ഞു ചിരിച്ചു.
അവതാരപുരുഷൻ
കണകാലുനീട്ടി
പഴയ വേദനെ കാത്തിരുന്നു.



Ajin R.F
 IV/ME Manufacturing



The Metaverse is a term used to describe a virtual reality space where people can interact with a computer-generated environment and other users. The idea of the Metaverse has been around for decades, but advancements in technology, such as virtual reality (VR) and augmented reality (AR), have brought it closer to reality than ever before. In this article, we will explore the Metaverse and what it could mean for the future.

What is the Metaverse?

The Metaverse is a term coined by science fiction author Neal Stephenson in his 1992 novel Snow Crash. It describes a virtual universe where users can interact with each other and a computer-generated environment using avatars. The concept has since been adopted by tech companies and futurists, who believe that the Metaverse could become a reality within the next decade.

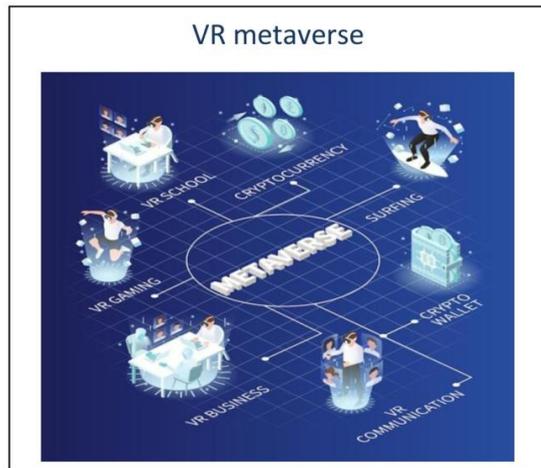
The Metaverse would be a fully immersive experience, with users able to see, hear, and touch everything within the virtual world. It could include virtual shopping malls, entertainment venues, and even virtual workplaces. Users could attend concerts, take classes, and even work without leaving their homes.

Why is the Metaverse Important?

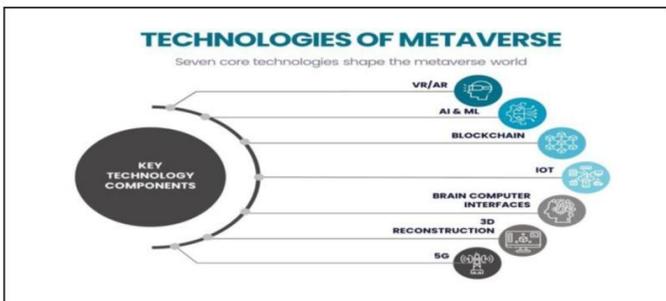
The Metaverse could have a profound impact on society. It could provide a safe space for people to explore and experiment without the constraints of the real world. It could also be a way to bridge the gap between cultures and countries, allowing people to connect and interact regardless of their physical location.

The Metaverse could also have economic benefits. It could create a new industry for developers, designers, and content creators. Companies could use the Metaverse as a platform for marketing and advertising, and virtual real estate could become a valuable commodity.

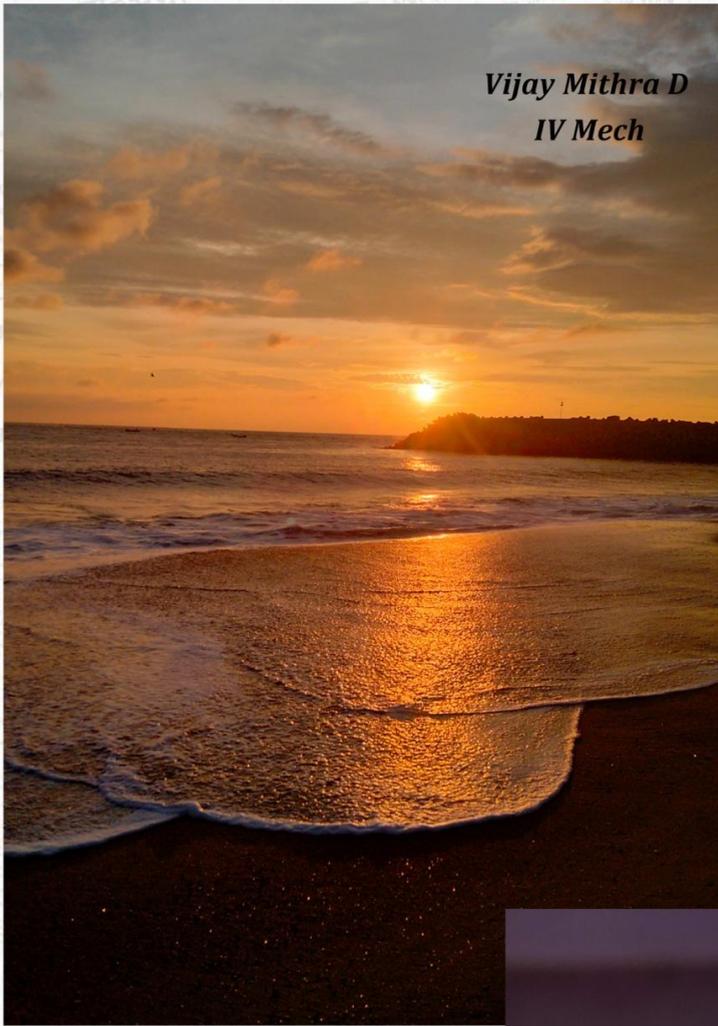
However, there are also concerns about the impact the Metaverse could have on society. It could exacerbate social isolation and create further divisions between those who can afford to access it and those who cannot. There are also concerns about data privacy and security, as well as the potential for addiction and other negative impacts on mental health.



The Metaverse is a concept that has captured the imagination of people for decades. While it is still largely in the realm of science fiction, advancements in technology have brought it closer to reality than ever before. The Metaverse could have a significant impact on society, providing new opportunities for entertainment, education, and work. However, it is important to consider the potential negative impacts and work to address them before the Metaverse becomes a reality.



Sidharth p
II / IT



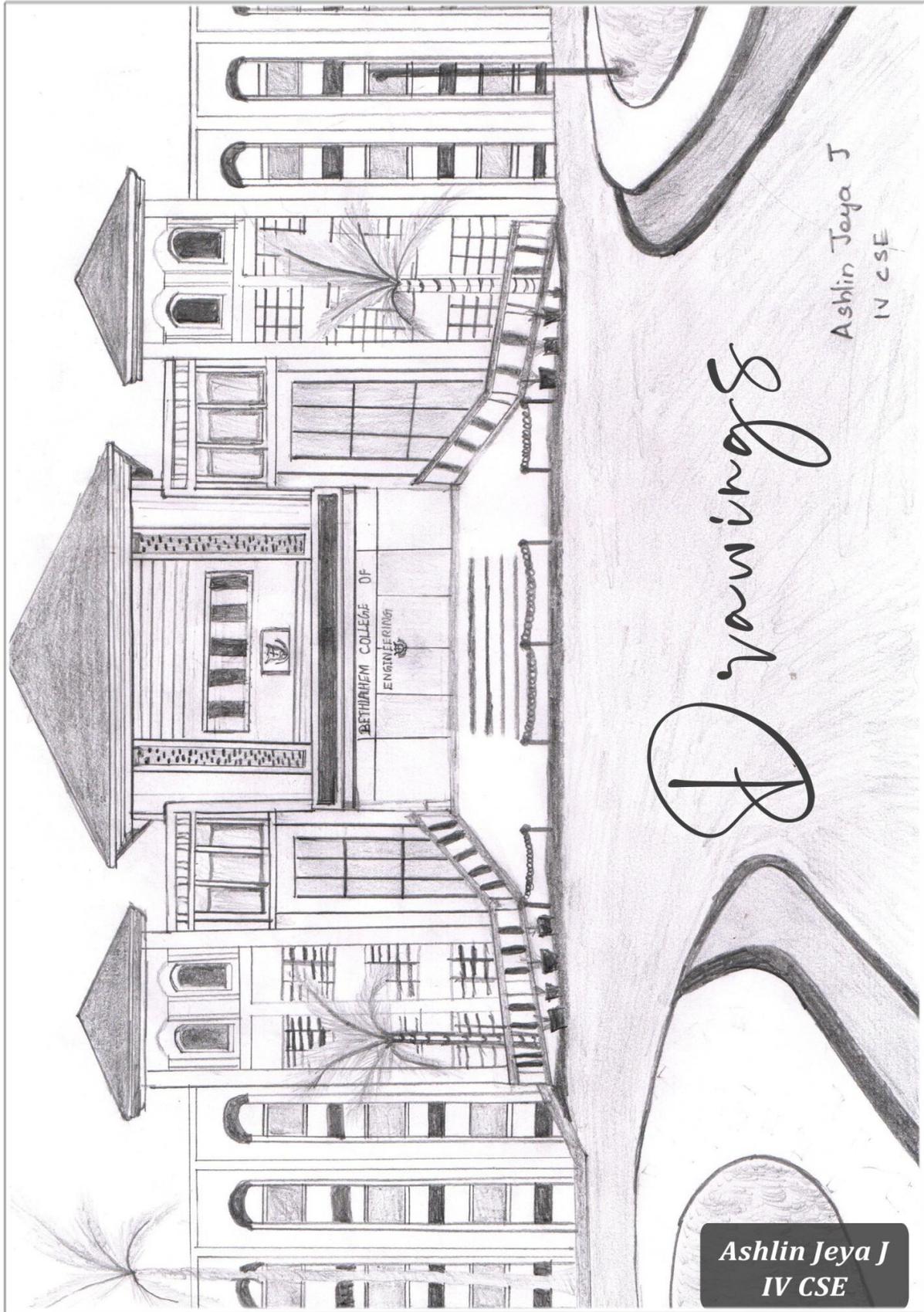
Vijay Mithra D
IV Mech



Photography



John abishek
IV Mech

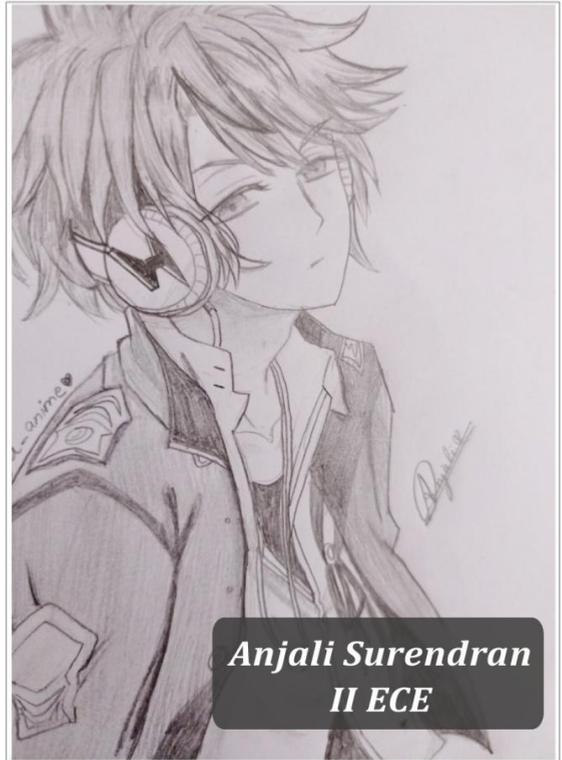


Ashlin Jeya J
IV CSE

Drawings

Ashlin Jeya J
IV CSE

Aswin Alex
IV Mech

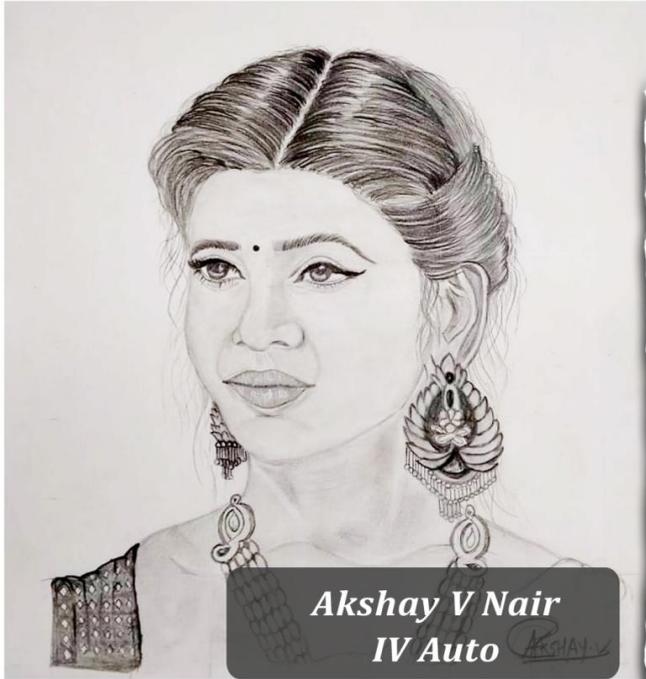


Anjali Surendran
II ECE

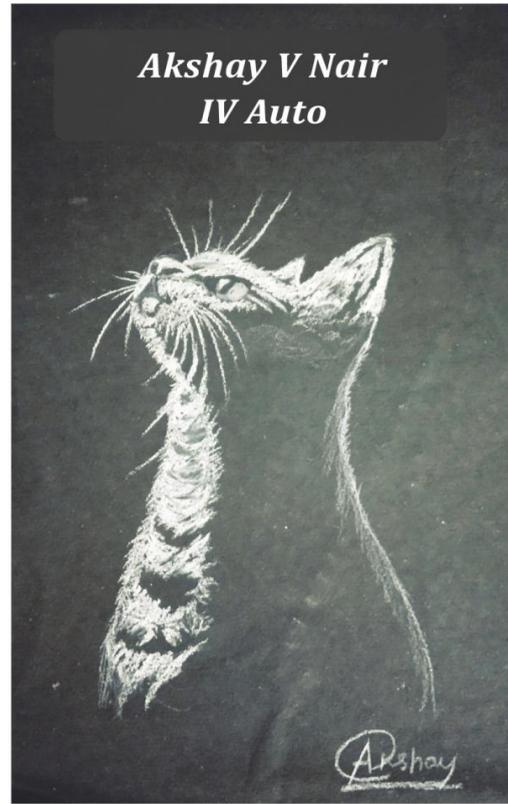
Drawings



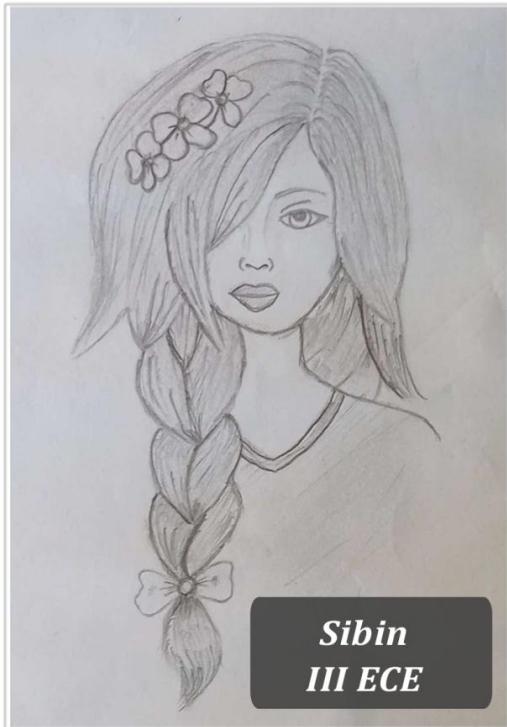
S. Ashmini
I ME PED



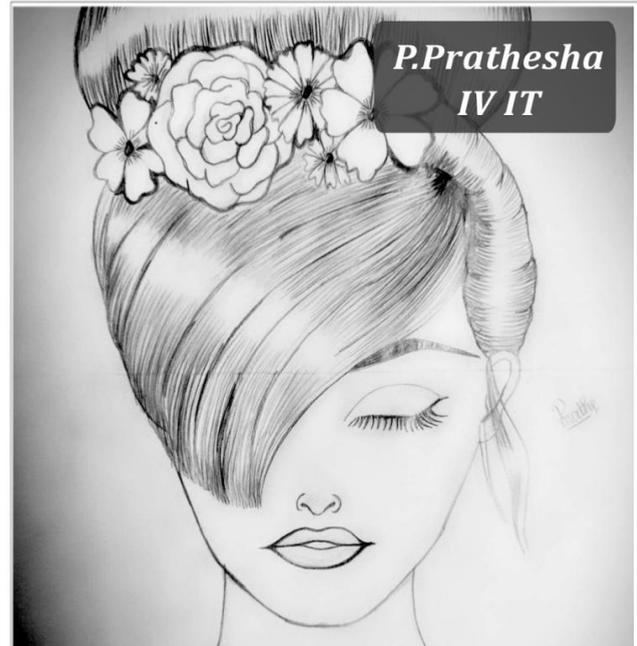
Akshay V Nair
IV Auto



Akshay V Nair
IV Auto



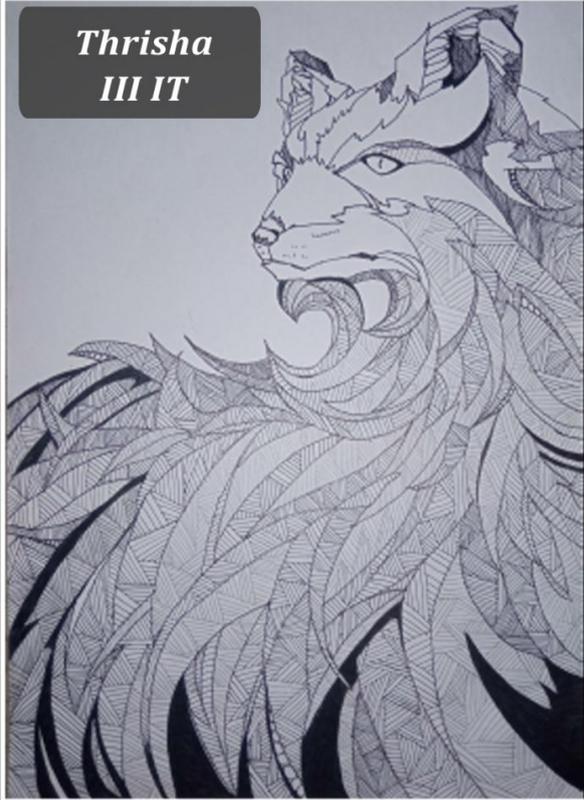
Sibin
III ECE



P.Prathesha
IV IT

Drawings

Thrisha
III IT

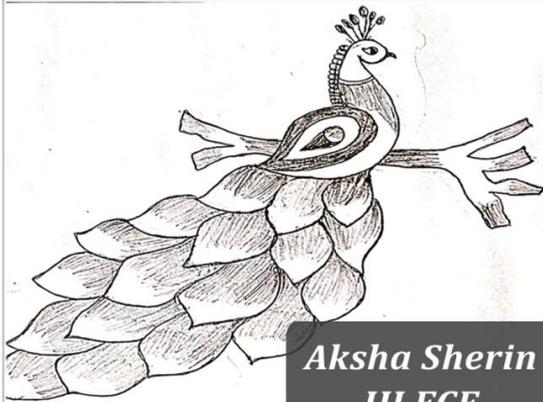


Vishwa V.U
I IT

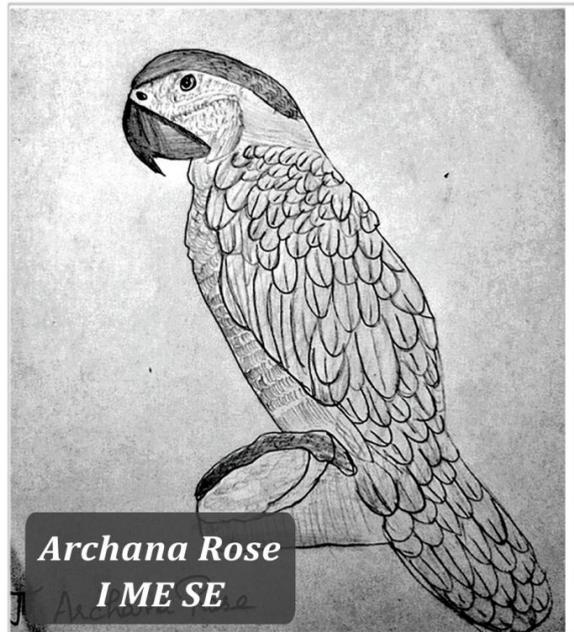


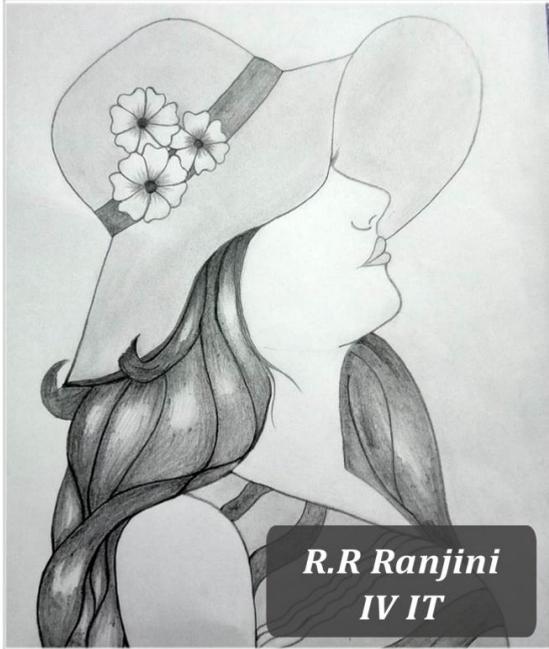
Drawings

Aksha Sherin
III ECE



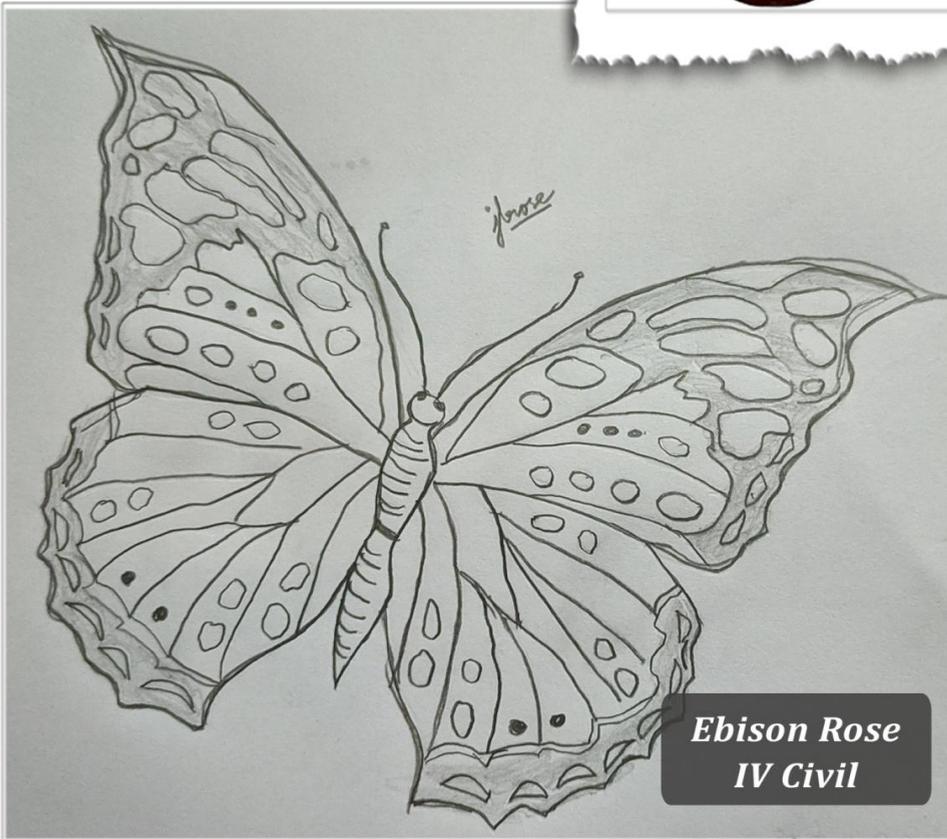
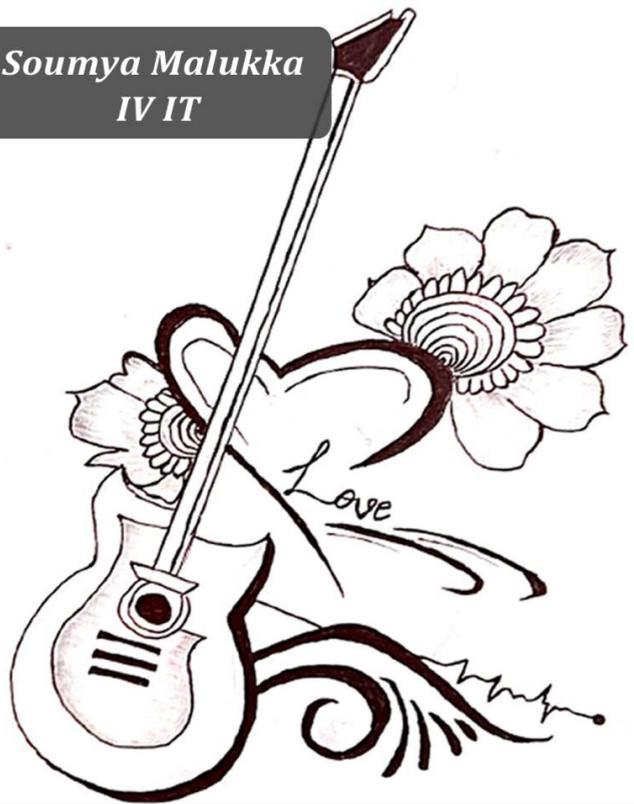
Archana Rose
I ME SE





R.R Ranjini
IV IT

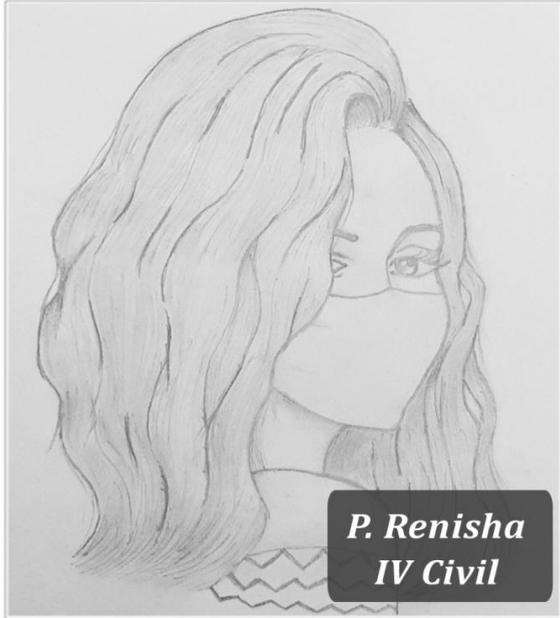
Soumya Malukka
IV IT



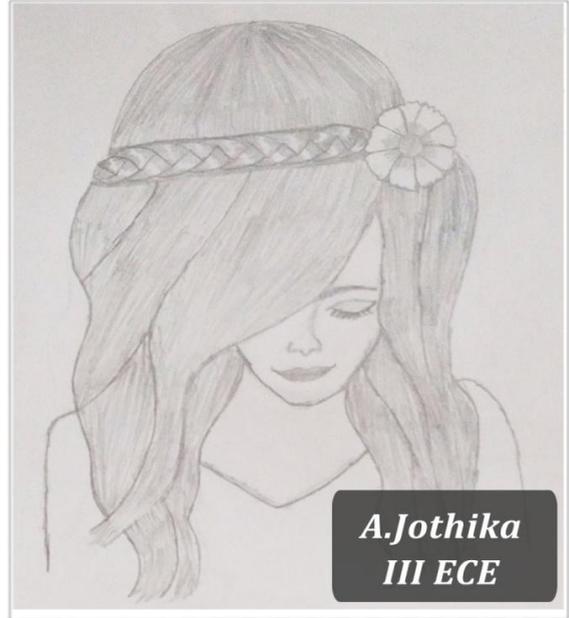
Ebison Rose
IV Civil

Soumya Malukka





P. Renisha
IV Civil



A.Jothika
III ECE

Drawings



Kins
IV Auto



Beautlin Jeya
III EEE

Shrinar
D



Nijeesh M.C
I Mech



Drawings



**Jesu sherly S
IV CSE**



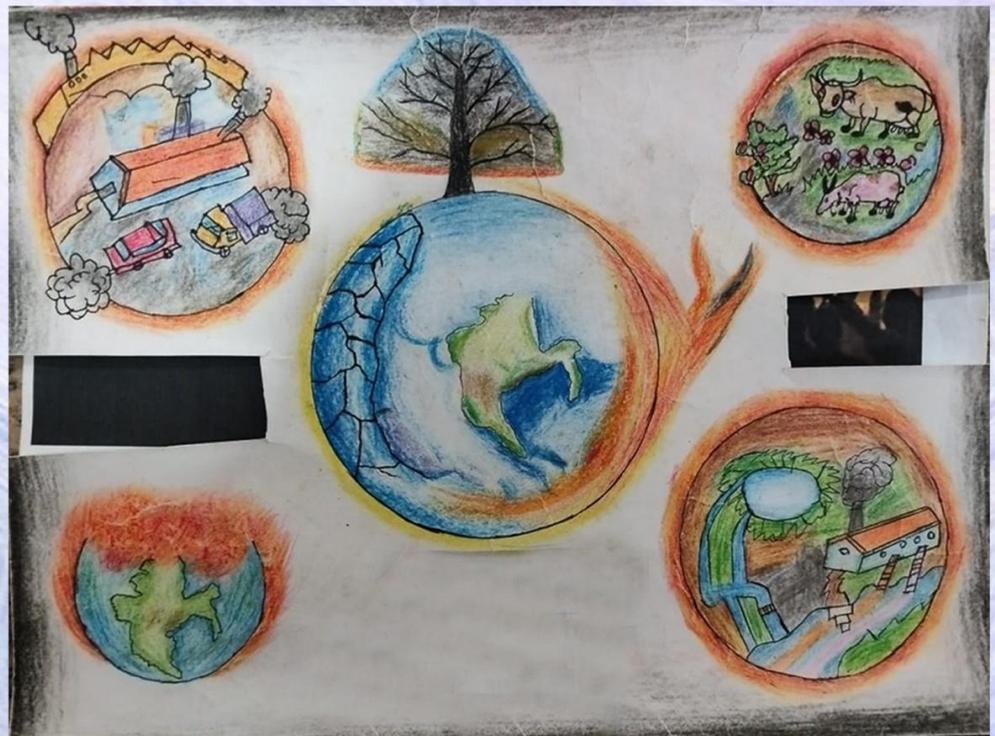
Akshay V Nair
IV Auto

Paintings

Akshay J Sankar
I Auto (2019-2020)



Rejin J
II EEE



P.Prathesha
IV / IT



Monisha
IV/ECE

Paintings



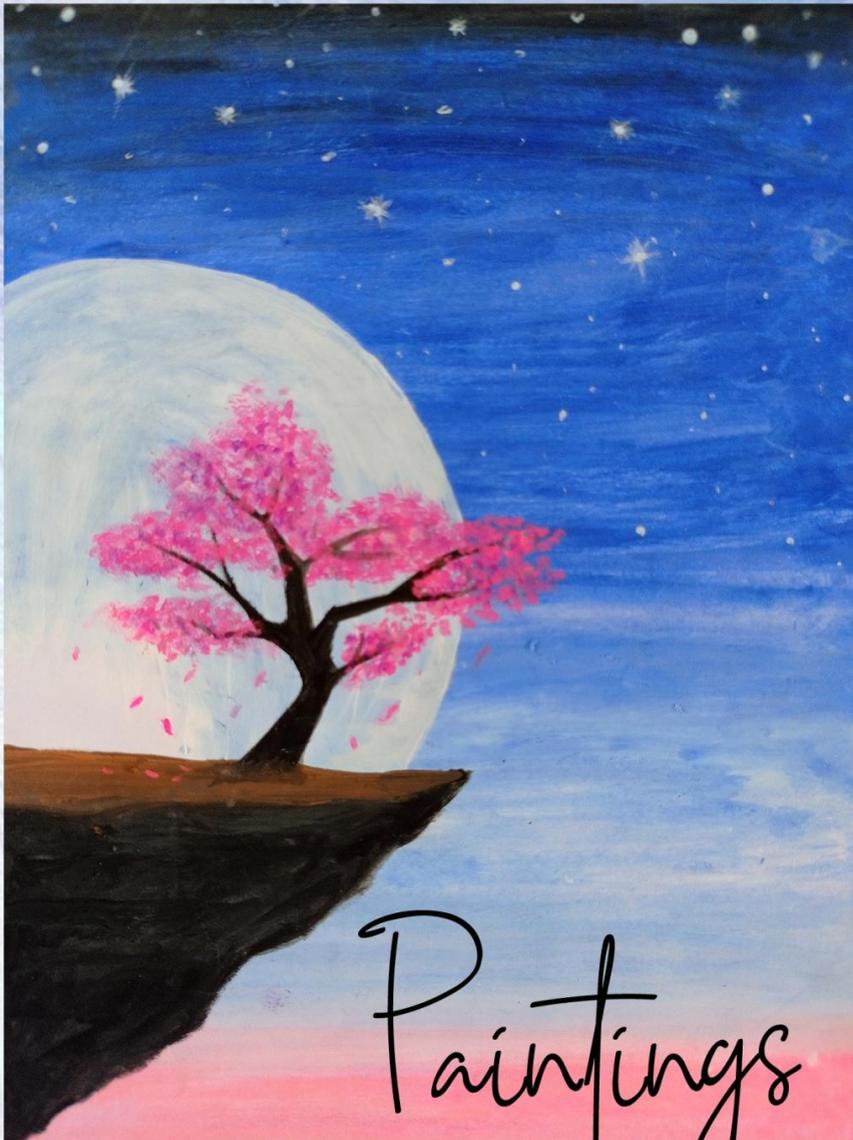
Jasmi Priya
II IT



Beena Johncy
IV IT



Paintings



Anjali Surendran
II ECE





Final / Electronics and Communication Engineering



Final / Electrical & Electronics Engineering



Final / Information Technology



Final / Mechanical Engineering



Final / Automobile



Final / Computer Science & Engineering



Final / Civil Engineering

Annual Day 2022



Campus life is that part of your life that you are going to relive in your memories till you breathe.



Campus is the place where you live your life to the fullest.



"An athlete cannot run with money in his pockets. He must run with hope in his heart and dreams in his head."



Sports day
2022

Graduation Day 2022

BETHLAHEM
INSTITUTE OF ENGINEERING
TECHNOLOGICAL, KANYAKUMARI DISTRICT - 629157
APPROVED BY AICTE, NEW DELHI &
AFFILIATED TO ANNAMALAI UNIVERSITY, CHENNAI



*"It is absolutely still possible
to make a difference."*

Women's Day 2023



*"Do your best to achieve your goal.
Do what makes you distinct from others.
Snatch your rights by excelling in your pursuits.
Do maximum for distinction in your fields."
- Saina Nehwal*



National Level Technical Symposium 'ZESTRONICS-2K22'



*Department of
Electronics and Communication Engineering*

Onam Celebration

***Giving, sharing, loving and
celebrating together
- that's the essence of Onam.***



Christmas Celebration

CHRISTMAS IS NEITHER A TIME NOR A SEASON,
BUT A STATE OF MIND.
TO CHERISH PEACE AND GOODWILL,
TO BE PLENTIFUL IN MERCY,
IS TO HAVE THE REAL SPIRIT OF CHRISTMAS.





BETHLAHEM

COLLEGE OF EDUCATION

Bethlehem College of Education, a leading self-financing Teacher Training Institution, was founded by Shri.Gerald Selvaraja under the Nesamony Memorial Trust in 2005, with the primary objective of imparting Teacher Training Education to the weaker sections of the society with a Christian sense of service. The aim of the Management is to bring this Institution to the International standards of learning with the Motto "Arise and Shine". The college is affiliated to Tamil Nadu Teachers Education University, Chennai and offers B.Ed and M.Ed Programmes. Being one of the top most leading colleges in Kanyakumari district, the College provides global exposure to the students in the teaching field with an unfettered space and hope.

The college has the unique credit of Accreditation by NAAC with an 'A' Grade and a CGPA of 3.23, ISO 9001:2008 from BMQR, National Educational Excellence Award from World Education Convention, New Delhi, Vocational Excellence Award from Rotaract Club, Kalvi Arivalayam Award from Kurunji Kabilar Tamil Sangam and Best Institutional Award from Lions Club of Royal Excellence since 2009.

In the pursuance for quality assurance, quality up-gradation, assessment and accreditation, and institutionalization the college has established the Internal Quality Assurance Cell(IQAC).

The college has augmented its infrastructure systematically and continuously over the years. The college has state-of-the-art infrastructural facilities like adequate classrooms, laboratories, computing equipment, staff rooms, conference halls, seminar hall, reading room, ramps for the physically challenged students, etc.

The college gives priority to the holistic development of the students outside the classroom through co-curricular, extra-curricular and field-based activities. Focus is on student-centered learning pedagogies that encourage students to become involved in their own learning and thereby become active participants in the educational process.

The Institution provides special training for the students to take part in collegiate, inter-collegiate, inter-zonal, State and National level sports and game events. Placement Cell helps and guides the students to seek job opportunities through placement drives conducted on and off the campus and organizes activities like Placement drives, lectures on placement opportunities etc.

The college conspicuously takes efforts by empowering and educating students to face global challenges of the future and making them competent in challenging the global tasks. As an outcome of this, students have left indelible marks in various aspects which are reflected in college vision and mission.



BETHLAHEM NEW CBSE CENTRAL SCHOOL

Bethlehem New CBSE Central School was started on 16th May, 2018 by Bethlahem group of institutions which is managed by the Nesamony Memorial Trust, Karungal. The entire campus of the school gives a good learning atmosphere to the students. The motto of the Institution is Integrity, Solidarity and Charity. BNCBSE School is a co-educational institution which offers education from Pre-KG to grade VII. The school is affiliated to the Central Board of Secondary Education (CBSE). The school has tie-up with international academics and offers different academic programmes to students.

For the Montessori kids, the school has colourful activity room, play materials and a play area. The maximum intake for each class is only 20. Each class is supported by a co-teacher who can give extra care for the weak students. The classrooms in the school are spacious and are equipped with interactive smart board, projectors and chalk board.

The school has a well-stocked library with more than 10000 books on different topics. It facilitates a large resource bank of periodicals, encyclopedia and books that offer an amazing variety of learning experiences for all age groups. A scientific temperament is nurtured through fully equipped and suitably designed laboratories. The students use the school transportation facility managed by trained transport staff.

To improve the sport talent of the students, the school has a large playground and world class facilities to play games such as chess football, basketball, tennis, cricket, Kho-Kho, badminton, skating and athletics. A separate outdoor kids play area equipped with host of slides and swings is committed to the younger kids. The activities such as sports, yoga, arts, crafts, horse riding, dance, and music are part of curriculum in the school.

In addition to the common subjects, the school conducts special classes for value education, general awareness and personal safety education. Apart from learning the contents in the books, the school also motivates the students to participate in Science Olympiad Examination, Intelligence quiz and Robotics Competition.

Rigorous program of inquiry and study in the school empower students to exercise their intellectual curiosity, expand their understanding and develop critical skills for future success. And also the emphasis on character and values changes each student to be a person of integrity, a contributing member of school community and a thoughtful and involved citizen of the world.



BETHLAHEM

HILL SIDE INTERNATIONAL SCHOOL

Bethlehem Hillside International School started its humble journey in 2017. It was systematically envisioned and brought out by its founder Shri. Gerald Selvaraja, principally an educationist with radical thinking. The school is effectively managed by the Nesamony Memorial Trust. The school adheres to Montessori Method of education at the pre-primary level and follows ICSE curriculum for the primary and upper primary.

The school has proven to be one of the best schools in the closer vicinity with its widely recognized international standards of facilities such as Hi-Tech classrooms, spacious and sophisticated laboratories, ample and well-equipped playground with trained coaches and qualifies teaching staff. A customized learning experience has been created whereby every child is included in the learning programme. An emphasize is placed on all inclusive international education which necessitates each student to identify his/her unique needs. Based on students' requirement, remedial measures are continuously taken for those students who are actually slow learners, and that becomes our strength.

A greater importance is given to strategies nurturing mental tools, as per the requirement of the curriculum, which extend to mental abilities, enabling students to solve problems and create solutions in real world. Being an International school, children, right from EC-1 (Early Childhood) onwards, are nurtured with multiple intelligences, and are periodically tested within the digitized environment.

The well-qualified teachers act as facilitators and co-designers. They understand the learners' strength, weakness and preferences. On the whole, the school ensures that learners receive an appropriate placement and support. Students also enjoy various CCA all through the year.



BETHLAHEM College of Nursing

Bethlehem College of Nursing was established by the Nesamony Memorial Trust in memory of the visionary late Mr. Nesamony with the motto of “Arise and Shine” which emphasizes light as the lamp of humanity and illuminating lives, over the devoted and honest direction of our Honourable Chairman Shri. Gerald Selvaraja and our Director Mr. Immanuel in the year 2021. Our college attempts to be an impartial, active, and collaborative learning community that makes a difference in education and human development through quality teaching, scholarship, and service. Our team collegiality and cooperation are our strengths to undertake many of our missions.

Bethlehem College of Nursing is one of the Institutions, dedicated to leadership, social welfare, and excellence through quality education. The College is duly recognized by Indian Nursing Council and Tamilnadu Nurses and Midwives Council affiliated with Tamilnadu Dr. M.G.R. Medical University, Chennai. We aim to develop practitioners with a wide vision and intellectual approach to contemporary issues pertinent to holistic nursing practice. The theory and clinical practices as per Indian Nursing Council were planned and implemented.

The teaching methodology has been designed to inculcate conceptual and technical skills in students and is based on lectures, demonstrations, seminars, group discussions, practical training on patients, etc. Efforts have been made to impart education and training through a methodology consisting of Smart class Rooms, Simulation Centres, etc. It has a Guidance and Counselling Centre, an E-Library, a seminar hall, an Auditorium, and various laboratories including a Nursing Foundation Laboratory, a Pre-Clinical Science Laboratory, a Community Health Nursing Laboratory, an Obstetrical and Gynaecological Nursing Laboratory, a Child Health Nursing Laboratory, a Nutrition Laboratory, a Computer Laboratory and a separate Hostel for both boys and girls. To fulfill the clinical requirement, Students were posted in our parent hospital i.e., Morris Mathias hospital and Asaripallam Government Medical College and Hospital within various clinical areas.

We aim to empower our nursing students to be lifelong learners, critical thinkers, and productive members, of an ever-changing global society. We could achieve this through a team effort by inspirational and passionate teachers, dedicated non-teaching staff, supporting parents, and compassionate students. The laurels won by our students in cultural activities at the unit and state levels have boosted their self-confidence. We are also committed to equipping students with academic discipline and strong values which will help them to meet the challenges of a rapidly changing world, and ensure that they emerge as good leaders in their chosen fields.



BETHLAHEM

MATRIC. HR. SEC. SCHOOL

Bethlehem Matric School has been christened with the name Bethlehem, the birth place of the Lord and Saviour Jesus Christ who spread the message of peace and salvation, Bethlehem Matric School was born in June, 2003 with about 475 students and staff strength of 40 to enlighten the students with knowledge and confident to lead their life with forward face. Today Bethlehem caters around 5000 students with the utmost involvement of more than 275 dedicated staff with the motto of Integrity, Solidarity and Charity.

The Dream school has grown in leaps and bounds by the priceless effort of Shri. Gerald Selvaraja, the Chairman to make his dream a reality. A team of hardworking educational calibres comprising of Director/Principal, Chief Administrator, Academic Advisors, Academic Supervisors, highly qualified and experienced teaching staff and well trained non teaching staff work for the betterment of the students.

A school is a happy home, a sacred shrine, a social centre, a state in miniature and bewitching brindavan, all beautifully blended into synthetic structure. The mission of the school is not limited to only reading and writing, but also to promote character formation, personality development, inculcating discipline and fostering good values. The school strives hard to give value based education. The campus of Bethlehem covers an area of more than 12 acres with a lush green environment and spongy lawns. The hills at the background add beauty to the entire campus.

The school not only concentrates on academic activities but also on sports to bring up the students with sound mind. The students use the football ground and cricket ground in the school for outdoor games. The students have bagged various prizes in different categories of sports. In the academic year 2019-2020, students won three state level hoping champion, four district level prizes and six zonal level prizes. To make the school atmosphere pleasant, a beautiful garden is maintainand for kids, and play station for their recreation. The school transport plays a pivotal role for the children's to and fro journey.

The astounding success of the school in this short span of time is due to the relentless perseverance to promote the total growth of the child's physical, emotional, moral and in short integrated personality. It offers exceptional opportunities to the students to learn in a conducive atmosphere and the students are motivated to achieve the best possible result.

COUNSELLING CODE

4992



UNDERGRADUATE (B.E/B.Tech)

Civil Engineering
Computer Science and Engineering
Electrical and Electronics Engineering
Electronics and Communication Engineering
Information Technology
Mechanical Engineering

POSTGRADUATE (M.E)

Structural Engineering
Computer Science and Engineering
Power Electronics and Drives
Applied Electronics
Communication Systems
Manufacturing Engineering

PROGRAMMES OFFERED

*The Gateway To
Professional Excellence...*

INFRASTRUCTURE @ BIOE

WELL FURNISHED CLASS ROOMS

LIBRARY AND INFORMATION SERVICE

LANGUAGE LAB

CAFETERIA

ON CAMPUS HOSTEL ACCOMMODATION

IIT BOMBAY REMOTE CENTER

SEMINAR HALL, CONFERENCE HALL, AUDITORIUM

PLAY GROUND

WI FI CAMPUS



Bethlahem Institute of Engineering

Karungal, Kanyakumari District,

Tamil Nadu - 629157, India

Ph : 04651-268466, 9489058366, 9489058383

mail@bethlahem.org, www.bethlahem.org

COUNSELLING CODE

4992